

INDUSTRIAL SURVEY OF NEWARK
LICKING COUNTY,
OHIO.

COMPLIMENTS OF
W. H. STANSS

1917



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THE BALTIMORE AND OHIO RAILROAD COMPANY.
Commercial Development... DEPARTMENT.

INDUSTRIAL SURVEY

OF

NEWARK

LICKING COUNTY

OHIO

Office of
Assistant to Vice President
In Charge of Commercial Development - March 29, 1917.

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BALTIMORE, MD

W. H. MANSS

ASSISTANT TO VICE-PRESIDENT
IN CHARGE OF COMMERCIAL DEVELOPMENT

March 29, 1917

Mr. Geo. H. Mosser,
Manager, Chamber of Commerce,
Newark, Ohio

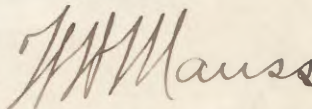
Dear Sir:

Permit me to present, with my compliments,
the accompanying report of Newark, which has just been
completed by our Bureau of Industrial Surveys.

This report points out with sufficient
emphasis your industrial opportunities, and may we hope
that it will help create a civic pride of such strength
as will help you to realize your ideal Newark?

May I also again assure you of the
heartiest support of the Commercial Development Depart-
ment of the Baltimore and Ohio Railroad in assisting you
to realize the Industrial ambitions of the Newark Chamber
of Commerce.

Yours very truly,



Assistant to Vice President

OH Ref 977.154 In 347-7974
Industrial survey of Newark,
Licking county, Ohio

The Baltimore and Ohio Railroad Company

BALTIMORE, MD

W. H. MANSS

ASSISTANT TO VICE-PRESIDENT
IN CHARGE OF COMMERCIAL DEVELOPMENT

GEORGE C. SMITH

AGENT, INDUSTRIAL SURVEY

March 29, 1917.

Mr. W. H. Manss,

Assistant to Vice President,

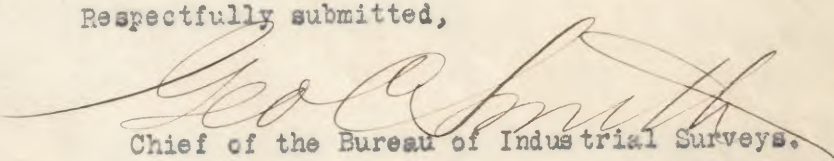
In Charge of Commercial Development.

Dear Sir:-

I am transmitting herewith report of the industrial survey of Newark, Licking County, Ohio, which has just been completed by this bureau. This report is an accurate record and an earnest judgment of our findings in Newark.

The Bureau of Industrial Surveys wishes to take this opportunity to thank the business men of Newark for their splendid co-operation in the conduct of the Industrial Survey, and to express its deep appreciation for the services rendered by the officers and members of the Chamber of Commerce, and particularly for the valuable assistance of the Manager, Mr. Geo. H. Mosser.

Respectfully submitted,


Chief of the Bureau of Industrial Surveys.

INDUSTRIAL SURVEY OF BEZARK

LICKING COUNTY, OHIO.

Table of Contents

<u>Chapter</u>		<u>Page</u>
I	Summary and Conclusions.....	1
II	Introduction.....	6
III	City Government.....	35
IV	Public Utilities.....	51
V	Financial Institutions.....	67
VI	Agriculture.....	83
VII	Geological Resources.....	91
VIII	Traffic Report.....	96
IX	Retail Establishments.....	102
X	Wholesale Houses.....	105
XI	Manufacturers.....	109
XII	Labor, Housing and Cost of Living.....	167
XIII	Sites.....	172
XIV	Commercial Associations.....	176
XV	Railroad Service.....	180

INDEX

	Page
Advance Glass Company.....	109
Altitude.....	11
Agriculture.....	83
Analysis of City Water.....	64, 55, 66
Assessed Valuation.....	37
Automobile Trucks.....	118 - 134
Available Labor.....	167
Available Sites.....	172

B

Baltimore and Ohio Railroad.....	111
Banks.....	67
Beef.....	125
Blair Motor Truck Company.....	118
Bob-sleighs.....	164
Boilers.....	154
Brewery.....	125
Buckeye Lake.....	38
Buckeye Rolling Mills.....	120
Building and Loan Associations.....	78
Building Permits.....	40
Building Supplies.....	158
Business College.....	20
Burke Golf Company.....	122

C

Castings.....	145 - 156
Consent.....	158
Central Union Telephone Company.....	60
Chamber of Commerce.....	176
Chemicals.....	154
Churches.....	22
Cigars.....	161
Citizens Building and Loan Association.....	82
City Government.....	35
City Water.....	62
Clothing Stores.....	102
Coal (See also individual manufacturers).....	105
Commercial Associations.....	176
Commodity Prices.....	171
Concrete.....	166
Consumers Brewery.....	125
Co-operation.....	178
Cordage.....	152
Cost of Living.....	171
County.....	9
Crops.....	86 - 88

	Page
<u>D</u>	
Death Rate.....	12
Deliveries, Freight.....	100
Dennison University.....	20
Department Stores.....	102
Dixie Coal Company.....	105
Dry Good Stores.....	102

<u>E</u>	
Elevation.....	11
Engines.....	137 - 154
Express Service.....	97
Electric Cars.....	134
Electric Railways.....	56
Electricity.....	51

<u>F</u>	
Factory Sites.....	172
Farms.....	84
Feed.....	108 - 132
Female Labor.....	163
Financial Institutions.....	67
Fire Department.....	46
Fire Hydrants.....	62
Fire Losses.....	47, 48
First National Bank.....	70
Fleck and Neal.....	106
Flour.....	132
Food Prices.....	171
Foreign Population.....	7
Franklin National Bank.....	73
Freedom Oil Company.....	127
Freight Deliveries.....	100
Freight Rates.....	100
Freight Service.....	96
Fuel (See individual manufacturers).....	-
Furniture.....	143
Furniture stores.....	102

<u>G</u>	
Gas.....	52 - 91
Gas Rates.....	53
Geological Resources.....	91
Glass.....	109-128-130
Golf Sticks.....	122
Grain.....	108 - 132
Groceries.....	102 - 106

H

Halls.....	36
Halters.....	152
Hardware Stores.....	103
Hat Stores.....	102
Health.....	12
Heisey Company, A. H.....	128
Heliophane Glass Company.....	130
Home Building and Loan Association.....	78
Hose Clamps.....	145
Hospitals.....	27
Hotels.....	38
Housing Conditions.....	170
Hulshiser Milling and Baking Company.....	132
Hydrants.....	62

I

Ice.....	141
Industrial Property.....	172
Interurban.....	56

J

Jewelers.....	103
Jewett Car Company.....	134

L

Labor (See also individual manufacturers).....	167
Labor Supply.....	167
Labor Turn-over (See also individual Manufacturers).....	169
Library.....	21
Licking County Bank and Trust Company.....	75
Licking County Building and Saving Company.....	90
Lighting.....	51
Lighting Glass.....	130
Limestone.....	92
Live Stock.....	85
Lumber.....	158

M

Mains, Water.....	62
Manufacturers.....	109
McNamar, J. D.....	137
Meat.....	140
Meat Markets.....	102
Monel Cloths.....	151
Midland Shoe Company.....	138
Milk Inspection.....	12
Miller Company, C. W.....	140
Motor Trucks.....	118 - 124
Mound Builders Park.....	33

N

Natural Gas.....	52 - 91
Negro Population.....	6
Newark Chamber of Commerce.....	176
Newark Ice and Cold Storage Company.....	141
Newark Ohio Furniture Company.....	143
Newark Stamping and Foundry Company.....	145
Newark Telephone Company.....	60
Newark Trust Company.....	77
Newspapers.....	39
Night School.....	14

O

Ohio Light and Power Company.....	148
Oil.....	127
Oil Tank Wagons.....	164

P

Packers.....	140
Paint Stores.....	103
Parks.....	33
Park National Bank.....	67
Parochial Schools.....	20
Passenger Service.....	101
Patent Medicines.....	159
Paving.....	42
Pharis Tire and Rubber Company.....	149
Plaster.....	158
Playgrounds.....	31
Police Department.....	49
Portable Engines.....	137 - 154
Population.....	6
Post Office Receipts.....	41
Poultry Products.....	65
Power, Electric.....	51 - 148
Prices, Food.....	171
Prismatic Glass.....	130
Public Halls.....	26
Public Schools.....	18

R

Railways, Electric.....	56
Rails.....	120
Railroad Facilities.....	96
Railroad Representatives.....	101
Railroad Shops.....	111
Railroad Sidings.....	99
Rates, Gas.....	53
Rates, Freight.....	100
Reed Fire Company.....	151
Rents.....	170
Retail Prices.....	171
Retail Stores.....	102
Rotary Club.....	179
Rubber.....	149

	Page
Rugg Company, E. T.....	152
Runners, Sleigh.....	164
Rural Delivery Routes.....	41

S

Saw Mills.....	137 - 154
Scheidler Machine Works.....	154
Schools.....	13
Scrap Iron.....	145
Service Express.....	97
Service, Freight.....	96
Service, Passenger.....	101
Service Switching.....	98
Sewers.....	44
Shoes.....	138
Shoe Stores.....	103
Sidings.....	99
Simpson Foundry Company.....	156
Sites.....	172
Smith Lumber Company, P.....	158
Stationary Stores.....	104
Steel.....	145
Steel Rails.....	120
Stogias.....	161
Stores, Retail.....	102
Street Cars.....	134
Street Railway.....	58
Streets.....	42
Styron Boggs Company.....	159
Swisher and Son, John H.....	161
Switching.....	98

T

Taxes.....	39
Tax Exemption.....	38
Telephones.....	60
Tenney and Morgan.....	109
Theatres.....	30 - 36
Tires.....	149
Traction Engines.....	137 - 154
Traffic.....	96
Tubes.....	149
Tucker Boiler Works.....	163
Turn-over Labor.....	169

U

Unions.....	169
-------------	-----

V

Wages (See also individual manufacturers).....	168
Water (See also individual manufacturers).....	62
Water, Analysis.....	64, 65, 66.

	Page
Water, City.....	62
Water Mains.....	62
Water Pressure.....	62
Weyeth Company.....	154
Wholesale Houses.....	105
Women Labor.....	188
Workmen's Homes.....	170
Wyeth-Scott Company.....	166

I

Y. M. C. A.....	23
Y. W. C. A.....	25

EXHIBITS

	Following Page
Map of City of Newark.....	5
Map of Licking County.....	8
Public School Statistics.....	20
Map of Works of Mound Builders.....	33
Annual Report of City Auditor, 1916.....	36
Electric Power Rate Schedule.....	51
Electric Light and Power Rate Schedule.....	51
Interurban Passenger Schedules.....	57
Interurban Freight Schedule.....	57
Interurban Freight Rates.....	57
Telephone Rate Schedule.....	60
Rules and Regulations of City Water Works.....	66
Order for Loading of L. C. L. Cars.....	97
Switching Schedule Exclusive of Coal and Coke.....	98
Switching Schedule for Coal and Coke.....	98
Fifty Facts concerning Newark.....	179
Greater Newark Booklet.....	179

CHAPTER I

SUMMARY AND CONCLUSIONS

Summary and Conclusions

Newark, the county seat of Licking County, Ohio, has a population of 29,635, seventy-five per cent of which are native white of native parentage. Eight per cent are negroes and ten per cent foreign born. The population of the county is approximately 60,000 spread over 669 square miles of territory. Newark is the only city of importance in the county.

Elevation: 836 feet

Death Rate: 1915. 12.64 per thousand. Typhoid ranks high among the prin diseases.

Schools: Fourteen grammar and one high; total enrollment 4,253 of which 693 are high school students; free night school for foreigners; two parochial schools enrolling 600; one business college; Denison University, five miles from city, 700 students.

Churches: Twenty-one with about fourteen thousand members.

Y.M. C. A.: 550 members; no courses offered; dormitory with 16 rooms.

Y. W.C.A.: Three/^{hundred} members; dormitory and cafeteria.

Hospitals: Two, one having free wards.

Hotels: Four with about two hundred available rooms.

Theatres: Two regular and five motion picture houses.

Parks and Playgrounds: Three public playgrounds; one park, coCountry Club; Buckeye Lake, leading summer resort of state, near city.

Assessed Valuation, 1916: \$23,878,010; Property assessed at actual value.

Tax Rate, 1916: \$1.50 per one hundred dollars.

2

Building Permits, 1916: 74 with value \$192,860, largely residential.

Post Office Receipts, 1916: \$82,485.39; eight rural delivery routes operated; new building being erected at cost of \$190,000.

Streets: Mileage fifty-two; paved 27; unpaved 25; ninety-five per cent paving brick; fifty per cent in poor condition; lighted by municipal electric plant.

Sewers: Mileage 27.179; western end of city without sewers; storm and sanitary combined in many cases; no disposal works.

Fire Department: Full paid with twenty-three members; equipment partially motorized; fire loss, 1915, \$5,621.

Police Department: Eighteen members; force inadequate.

Electricity: Plant capacity, 7,750 k. w; rate domestic, 9 to 4-1/2 cents per K. V. H; power on special contracts as low as one cent per K.V.H.

Gas: Natural for domestic uses only at twenty-five cents net.

Interurban Line: To Zanesville and Columbus, offering freight and passenger service.

Local Street Railway: Six miles of track in city and line to Granville of eight miles; transfers given.

Telephones: Two companies; 5,600 subscribers; rates \$2.75 and \$3 for business and \$1.50 and \$1.35 for residences.

City Water: Municipally owned; pumped from Licking River; purified by mechanical filtration system; capacity five thousand gallons daily; rate 15 to 8-1/3 cents per one hundred cubic feet; 81 miles of mains; 745 fire hydrants with pressure of 110 pounds; 150 pound pressure possible.

Financial Institutions: Three national banks; two trust companies, and three Building and Loan Associations; combined resources over \$10,000,000; deposits nearly \$7,000,000.

3

Agriculture: County self supporting in grains and milk; no county agent at present but steps being taken to secure one; principal crops, grains, tomatoes, peas, potatoes and onions; truck gardening profitable.

Geological Resources: Some natural gas, limestone for cement manufacture in south eastern part of county. Condition should be investigated.

Railroad Facilities: On Newark Division of Baltimore and Ohio, and Pan Handle route of Pennsylvania Railroad. Served by thirty freight trains and thirty-four passenger trains daily.

Express Companies: Wells Fargo and Company, and Adams Express Company.

Retail Stores: Ample number in various lines.

Wholesale Houses: Principal lines groceries and grain and feed.

Manufactories: Leading lines - glass, stove, railroad shops, machine shops and foundries. Better co-operation among manufacturers needed.

Labor: Supply at present rather limited, but little difficulty is caused, however. Few women are employed. Probable that a considerable number would be available in times of lower wage level.

Labor in the city of a good grade, turn-over being small.

Unions are strong, but reasonable in attitude.

Wages: Common labor - 17-1/2 to 25 cents an hour; prevailing wage 20 to 22-1/2 cents an hour.

Skilled men - 30 to 45 cents an hour, average forty cents.

Housing: Abundant supply of cheap houses. Rents \$12 to \$14 per month for houses of five and six rooms with bath.

Double houses, five and six rooms to side, with bath \$16 per month for side.

Local building and loan associations encourage ownership of homes by workmen. Sixty-five per cent of men of this class have equity in homes.

Cost of Living: Prices for food stuffs in Newark about on a level with places of its size. Variation in prices given by different stores prove lack of organized effort by retailers to boost prices.

Factory Sites: Large amount of desirable land available near city. Best Property located to west of city on both sides of joint line of Baltimore and Ohio and Pennsylvania Railroads. Some desirable tracts on Baltimore and Ohio north and Baltimore and Pennsylvania, east.

Commercial Associations: Chamber of Commerce of 607 members well organized. Offer free sites and financial assistance to worthy industries seeking a new location.

Rotary Club of sixty members.

Industrial Expansion: Owing to the present scarcity of labor, the Chamber of Commerce should not attempt to secure new industries at this time. The best service it can perform to its members, to the city and to prospective industries, is to confine its activities at this time to the improvement of civic conditions, the development of a better spirit of co-operation among the members of the Chamber, particularly manufacturers, and finally, to the development of a better civic spirit. With the labor market tight, as it is throughout Ohio, additional industries would undoubtedly cause an increase in the local wage scales and might prove embarrassing to local manufacturers.

There are many conditions in Newark which need the immediate attention of the Chamber of Commerce, among the more important of which are: the improvement of streets; the administration and service of the public utilities, particularly those municipally owned; a closer supervision of city government policies and actions; the development of better housing facilities; extension of the sewer system;

and the development of a system of improved county roads. At present there is not a sufficiently close relationship established between the Chamber of Commerce and the city and county governments.

Furthermore, the Chamber of Commerce should co-operate through a county agent, with the farmers of Licking County to develop a better, wider and cheaper supply of farm products, particularly vegetables, in order to reduce the cost of living in the city. The question of establishing a city market for the sale of foodstuffs is of importance to the city.

Newark has no natural resources to develop with the possible exception of cement, limestone and clays. Her prosperity and future growth must depend, therefore, upon her human resources, her laborers. Anything that the Chamber of Commerce can do to increase the supply of laborers, to improve their living conditions and to add to their prosperity, should be the first work of that organization.

When these conditions are improved, the time will be ripe to drive for new industries and these should be selected from the standpoint of the character of labor employed. Newark, being close to some of the principal markets of the country and within five hundred miles of about sixty per cent of the entire population of the United States, is in a peculiarly favorable position to manufacture high grade finished products, requiring a large amount of skilled and other labor. Being close to fuel also, it can accommodate those industries requiring a high percentage of fuel. Or, combining these factors, it is clear that the natural location of the city lends itself to the development of finished iron and steel products, such as tool steel, light foundry articles, hardware, etc.

CHAPTER II

INTRODUCTION



MAP
of the City of
NEWARK
OHIO.

Scale



REFER TO THE OHIO CANAL

ANNING

LEROY

CLAIR

CLINTON

GOODWIN

INDIANA

CLARK

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BUREKA AVE
FAIRVIEW ST
CABLE ST
ANNA ST
MARY ST
JOSEPH ST
SILVER ST

CORPORATION LINE

CEDAR RUN

CEDAR HILL CEMETERY

THE AMERICAN BOTTLE CO.

POND

NORTH

MECHANIC ST
PLEASANT ST

INDIANA

LAWRENCE ST
CONRAD ST
EAST ST

RACE ST
WASHINGTON ST

EASTERN AVE ST
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BALTIMORE ST

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WASHINGTON ST
BALTIMORE ST

ALLSTON AVE
ARLINGTON AVE
BALLARD AVE
RIDGE AVE
MAIDEN ST

DAUGHERTY AVE
CLARENDON
N ARCH ST
A VINE ST
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WASHINGTON ST
EASTERN AVE ST
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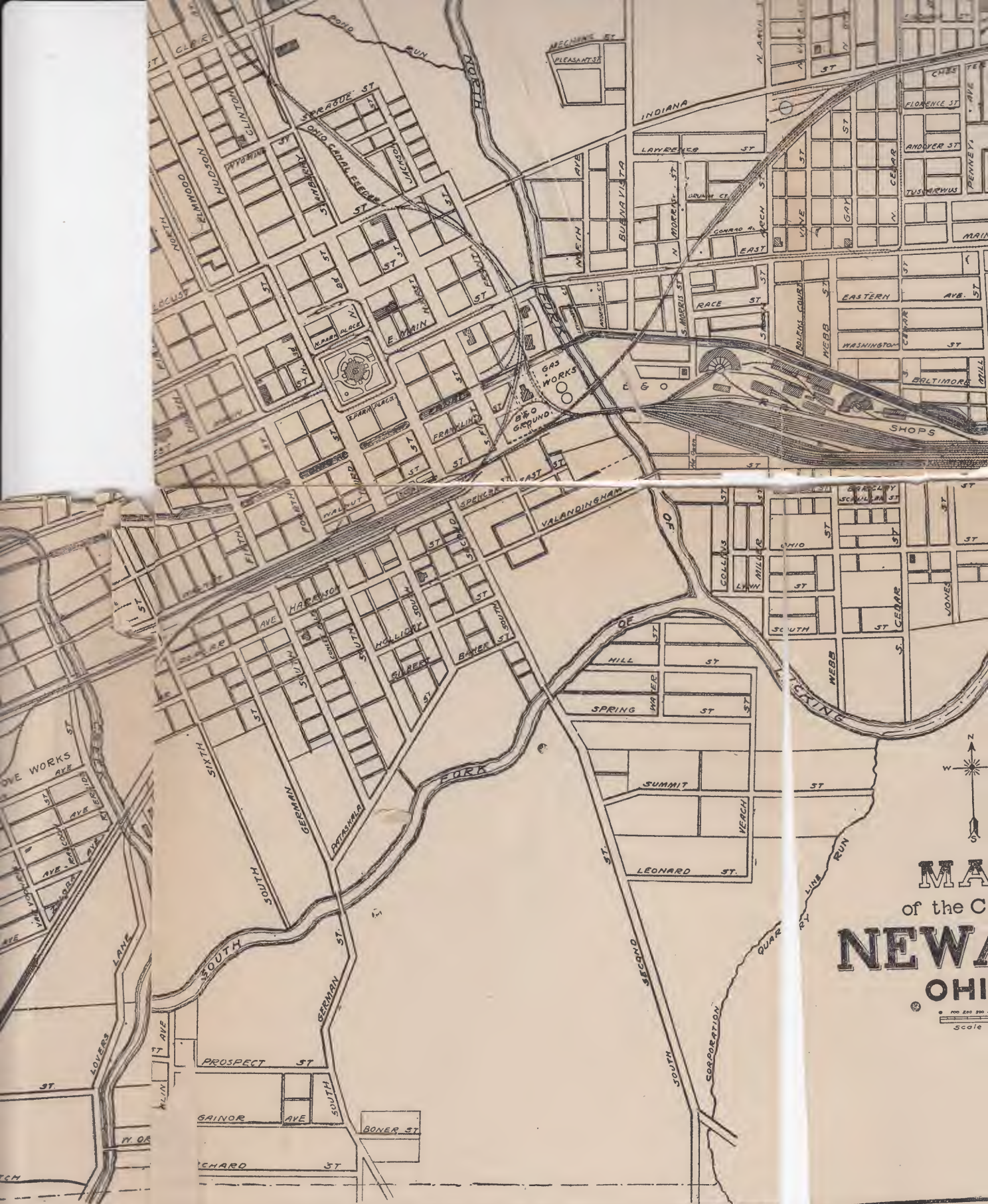
WASHINGTON ST
BALTIMORE ST

Holaband Glass Co

GAS WORKS
BRO GROND

SHOPS





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100 200 300





Population

The last three United States census figures give the following figures for the population of Newark. Total increase and per cent of increase are also given.

<u>Year</u>	<u>Population</u>	<u>Increase</u>	<u>Per cent Incr.</u>
1910	25,404	7,247	29.9%
1900	18,157	3,887	27.2%
1890	14,270		

The United States Census estimate of the population places the figure in

1914	28,271
1916	29,635

No actual census of the city has been made since 1910. In making investigation for the new post office building, however, a careful estimate was made by the postal officials. The figure arrived at by them agrees closely with other reliable estimates, and is a fair figure to consider. This gives Newark a population of 30,000.

The census figures for 1910 and 1900 show the following figures for white and colored population. It is estimated that the present percentage of negro population is about the same as in 1910, there having been no appreciable increase of any one class over another.

<u>Census Year</u>	<u>White</u>			<u>Negro</u>			<u>Per Cent Negro</u>
	<u>Male</u>	<u>Female</u>	<u>Total</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>	
1910	12807	12244	25051	174	172	346	1.4%
1900			17851			300	1.7%

7

In the last two census years the white population of the city was classified as follows:

<u>Census Year</u>	<u>Native White Native Parentage</u>		<u>Native White - Foreign or Mixed Parentage</u>		<u>Foreign Born White</u>	
	<u>Number</u>	<u>Per Cent</u>	<u>Number</u>	<u>Per Cent</u>	<u>Number</u>	<u>Per Cent</u>
1910	19,090	75.1%	3914	15.4%	2047	8.1%
1900	12,091	71.1%	3515	19.9%	1335	7.4%

It will be noticed that the percentage of foreign born white increased from 1900 to 1910, while the percentage of native white population of foreign or mixed parentage decreased.

During the year 1916 an estimate of the foreign born population of Newark was made for the purpose of establishing a night school for naturalization purposes. This estimate placed the number of foreign born in 1916 at 2500, an increase of 453 over the figure for 1910.

The following is a detailed table of the characteristics of the population in 1910.

	<u>Total</u>		<u>Native White</u>		<u>Foreign Born Negro White</u>			
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>
Under 5 Years	1,109	1,027	1,090	1,008	7	5	12	14
Under 1 "	195	174	192	172			3	2
5 - 9 "	1,083	1,025	1,054	995	18	18	11	13
10-14 "	980	1,024	956	996	14	14	10	14
15-19 "	1,235	1,124	1,145	1,083	69	22	21	19
20-24 "	1,279	1,260	1,105	1,206	163	35	10	19
25-34 "	2,558	2,233	2,126	2,069	396	132	32	32
35-44 "	2,089	1,852	1,723	1,703	303	132	31	17
45-64 "	2,148	2,207	1,826	1,979	284	194	38	34
65 and over	519	657	388	530	122	116	9	11
Age Unknown	18	7	15	7	3			
Total	12,968	12,416	11,428	11,576	1,379	668	174	172

Males of voting age were classified as

follows in 1910 and 1900 -

	<u>1910</u>	<u>Per Cent</u>	<u>1900</u>
Total	8336		5451
Native White-Native Parentage	5618	67.4%	3564
Native White-Foreign or Mixed Parentage	1358	16.3%	1150
Foreign Born White	1236	14.8%	634
Negro	117	1.4%	98
Indian, Chinese and Japanese	7		



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BENNINGTON

MONROE

LIBERTY

JERSEY

ALEXANDRIA

CROTON

SPLETON

JOHNSTOWN

CONCORD

OXFORD

Nelson

Sinclair Sch.

Baker

Morris Sch.

Robert Cross Sch.

LOCK

Water

Fair View

St. Mark

Rugger Sch.

Wesley Sch.

Wesley Ch.

Wesley Sch.

William Cor.

Osgood Sch.

Parson Sch.

Boylston Sch.

Deer Sch.

Greenbush Sch.

Sugar

Hill Sch.

White Sch.

Taylor Sch.

Blue Sch.

Rice Sch.

Deer Sch.

Pleasantville Sch.

Liberty Ch.

Rockbury Ch.

Clark Sch.

Johnston

CONCORD

Center Sch.

Edgely Sch.

Granville Sch.

Duncan

Timber Cor.

Digby Sch.

Foster Sch.

Center Sch.

Stone Quarry Road

Brandy

Morgan Sch.

Eurtis Sch.

Janet Sch.

Darlington Sch.

Meyer Sch.

Ross Sch.

Hazard Sch.

Burham Sch.

St. Albans Ch.

Sch. No. 3

Bloodlet

Millers Cor.

St. Joseph Ch.

Burke Sch.

Tylers Cor.

Pet Run

Miles Sch.

St. Albans Ch.

Sch. No. 3

Monroe Sch.

JERSEY

Miles Sch.

ALEXANDRIA

Raccoon

Universalist Ch.

Farmhouse

Pembroke Cor.

Wesley Sch.

Ross Cor.

Landon St.

South

Wesley St.

Wesley St.

LEGEND -

Baltimore & Ohio R.R.
Pennsylvania Lines
Toledo & Ohio Central R.R.



K N O X

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BURLINGTON

UTICA

WASHINGTON

ST. LOUISVILLE

McKEAN

CHATHAM

NEWTON

VANATA

GRANVILLE

NEWARK

GRANVILLE

NEWARK

LICKING COUNTY, OHIO.

Statute Miles



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Compiled and Drawn under the D



Under the Direction of John C. Swartz and Clyde W. Irwin, 1916



W. Irwin, 1916

County Population

Newark is the county seat of Licking County. The county has a land area of 669 square miles. The Population of the county for the last three census years was as follows:-

		<u>Increase</u>	<u>Per Cent Increase</u>
1910.....	55,590	8,520	18.1%
1900.....	47,070	3,791	8.6%
1890.....	42,279		

The increase of 18.1% from 1900 to 1910 is slightly higher than the increase for the state as a whole, which was 14.7%, but less than the increase for the whole United States, which amounted to 31%.

The density of population in Licking County is considerably less than the average for the state as a whole. The county in 1910 had an average of 83.1 persons per square mile, as compared with 117 per square mile for the whole state. The figure for the whole country was 30.9 persons per square mile.

The urban population (places of 2500 or more) of Licking County in 1910 was 25,404; the rural population 30,186. In 1900 the figures were, urban population 18,157; rural population 28,913.

Urban population of the county increased much faster than did the rural population, from 1900 to 1910 the percentage of increase being 39.9% and 4.4% respectively.

Following is a detailed classification of
the population of the county in 1900 and 1910.

	<u>1910</u>	<u>1900</u>
White Population.....	55,150	46,665
Negro Population.....	432	399
Per Cent Negro Population.....	0.8%	0.8%
White-Native Parentage.....	46,928	39,397
Per Cent Parentage.....	84.4%	83.7%
White-Foreign or Mixed Parentage....	5561	5,474
Per Cent " " " "	10%	11.6%
Foreign Born White.....	2,661	1,794
Per Cent Foreign Born.....	4.8%	3.8%

Males of voting age in the county were
classified as follows by census figures of 1900 and 1910.

	<u>1910</u>	<u>1900</u>
Total Males of Voting Age.....	17,780	14,007
Native White - Native Parentage.....	13,916	11,096
Per Cent - Native Parentage.....	78.5%	
Native White - Foreign or Mixed Ptg.	3,039	1,901
Per Cent - Foreign or Mixed Parentage	11.5%	
Foreign Born White.....	1,617	858
Per Cent Foreign Born White.....	9.1%	
Negro.....	151	137
Per Cent Negro.....	0.9%	

Elevation

Newark is situated at an elevation of
836 feet above sea level.

Health Information

The death rate of Newark averages 12.5 per one thousand population. Figures for the last two years were:

1914.....	12.5
1915.....	12.64

In the first eleven months of 1916 there has been a total number of 363 deaths.

The city has had two epidemics of typhoid within the last five years. The disease was spread by empty milk bottles. Bottles from homes where the disease existed were used without being properly sterilized, and rapidly spread the epidemic.

The number of cases of the principal disease in 1915 were:

<u>Disease</u>	<u>No. of Cases</u>	<u>Deaths</u>
Typhoid	26 x	2 x
Diphtheria	33	-
Scarlet Fever	15	-

x Nine of the twenty six cases of typhoid were imported into the city. Both deaths were of this class.

Tuberculosis of all forms caused thirty-two deaths in 1915 and twenty-eight deaths in the first eleven months of 1916.

Milk is well inspected. The Licking County Creamery, which is the largest distributor, has inspectors who are paid by the company but are under the jurisdiction of the city Health Officer. These men inspect the various dairies from which the milk is gathered.

Representatives of the city Health Officer also make frequent tests of the milk delivered to consumers.

Schools

Newark has a splendid system of public schools. It is under the direction of a Board of Education, consisting of five men elected at large by the people of Newark. The Board then elects its own Superintendent of Schools, who is charged with the active direction of the school work.

The following are the men now in office:

Board of Education -

Wm. E. Miller, President
J. M. Mitchess, Vice President
Ben L. Montgomery, Clerk
W. C. Christian -
S. W. Haight -

Superintendent of School - Wilson Hawkins.

The public school system consists of fifteen schools in all,

High School....	1
Grammar Schools	<u>14</u>
Total....	15

In the fifteen schools there is a total of 130 teachers, divided as follows:

High School.....	24
Grammar Schools....	100
Special Subjects...	<u>6</u>
Total....	130

The total enrollment of pupils (A) all the schools is:

Grammar Schools....	3560
High School.....	<u>693</u>
Total.....	4253

Schools...#2.

The total enrollment for the same month in 1914 and 1915, and at the end of the school year (June) in those years was as follows:

	Nov.1914	June 1914	Nov.1915	June 1915
Total Enrollment -	4202	4046	4245	3947

So far this year (1916) the enrollment has been increasing each month whereas in previous years each month showed a falling off.

A free night school for foreigners, training them in preparation for naturalization, is being carried on in the High School building. Classes are held two nights each week. Eighteen students are now enrolled in this night school.

The standard of instruction in the public schools of Newark is very high. The following extract from a report of the Superintendent of Schools give a clear idea of the policy of the Board regarding instructors, and also an idea of the large amount of time given to special work, such as Music, Drawing and Manual Training:

Teaching Staff

"There are 130 teachers and principals exclusive of cadet teachers in the Newark schools. Of this number, twenty four are in the High School six in special departments, and one hundred in the elementary schools.

Schools...f3.

The Board of Education believes that it is economy to pay teachers reasonably well and to demand that they be well prepared and able to render efficient service. Every teacher who teaches in the High School is either a college or university graduate and must have had successful teaching experience before being employed in the Newark High School.

These High School teachers receive from seven to thirteen hundred dollars per year. Every teacher in the grade schools must be a High School graduate and must have had at least one year of Normal training. It has been the custom of the Board of Education in recent years to employ Normal School or college graduates whenever possible. Although most of the Newark teachers are home talent teachers yet the Board does not hesitate to import teachers in case better trained teachers can be secured. Teachers in the elementary schools who are not principals receive from four to seven hundred and twenty dollars per year depending upon successful experience and training. All principals of elementary schools are women who receive from seven to one thousand dollars per year depending upon the number of rooms in their respective buildings as well as upon success and training. Perhaps no city has a more loyal body of school principals than has Newark.

Schools...#4.

Special Departments

The special departments in the elementary schools are Music, Drawing, Manual Training, Sewing and Cooking. Every pupil in the Newark schools from the first grade through the High School is taught music and drawing under the direction of trained supervisors. Manual Training is offered to boys from the sixth grade to the eighth grade inclusive and is elective in all High school courses.

Every girl who attends a sixth or seventh grade and every girl who attends the eighth grade is taught sewing or cooking by trained specialists. It is absolutely impossible for a boy or girl to pass through the elementary schools of Newark without getting instruction in Music and Drawing. Every boy must learn how to handle tools and every girl receives instruction in Sewing and Cooking. At present over six hundred girls and over five hundred boys are enrolled in these special departments.

Tuition Pupils

That the Newark schools are popular beyond the city limits is proven from the fact that last year about one hundred and fifty boys and girls whose homes are not in Newark were enrolled in the Newark schools. Over one hundred of these attended the Newark High School and represented fourteen different townships and villages.

Schools...45.

All pupils who do not live within the city limits are charged a tuition fee ranging from thirty cents a week in the primary grades to one dollar a week in the High School. Last year the treasurer of the Board of Education reported \$5,326 received as tuition from non-resident pupils. It might be said in passing that some of the highest honored pupils of the High School have been among these boys and girls coming from the country.

High School

The Newark High School enrolls more students than many of the colleges of Ohio. During the past year (1915) there were over seven hundred and more than three hundred of these were young men, an exceptionally high percentage. Last year the graduating class was composed of 119 members, 57 of whom were boys. Perhaps the cause of the growth of the Newark High School may be found mainly in two things, first the care that the Board of Education and Superintendent of Schools exercise when selecting teachers for the High School department, all of whom must be college or university graduates of successful teaching experience. At the present time not fewer than thirteen different colleges and universities are represented in the teaching staff of the High School.

A second cause for the large attendance in the Newark High School is that six different courses covering a wide variety of work, two of these courses prepare for college, and placing special emphasis upon classical studies,

Schools....\$6.

the other upon science and mathematics. There is also a general course, a vocational course, a commercial course, and an agricultural course. All of these courses except the vocational are four years in length. While the vocational course is only two years, pupils who desire to graduate may elect two years of additional work from other courses.

Special teachers in the High School give instruction in Music, Drawing, Manual Training, Domestic Art, Domestic Science, Mechanical Drawing, and Salesmanship. The Agricultural course is under the direction of a teacher of experience who is a graduate in the four years course in Agriculture in Ohio State University. This course is planned to meet the needs of those who attend the Newark High School from the rural district as well as for many city boys who are interested in this line of work. The High School has special laboratories fully equipped for teaching Physics, Chemistry, Physical Geography, Botany, and Agriculture. The work performed in these laboratories is accepted by all colleges and universities.

At least one hundred graduates of the Newark High School are attending colleges or Normal Schools. At least three fourths of all the teachers in the elementary schools of the city are graduates of the Newark High School. The Commercial Department is equipped with forty-three typewriters, special bookkeeping and office equipment.

Schools...#7.

A large number of the graduates of this department are holding responsible position and it has become the habit of business men in Newark to give graduates of the commercial department first chance when seeking office help. This course is four years long and the graduates have had a splendid training not only in commercial subjects but in many other High School subjects as well. The growth of the Newark High School has been unusual. In 1900 the total enrollment was 344, Last year it was 717."

The attached pamphlet lists the officers and faculty members, the latter divided by the different school buildings.

The following table gives the estimated value of the school buildings, and number of school rooms in each. The valuation estimates were supplied by the Superintendent of Schools.

<u>School</u>	<u>No. of School Rooms</u>	<u>Value</u>
High School	40	\$250,000
Central	14	15,000
Woodside	12	70,000
North Fourth	8	12,000
Hudson	4	12,000
Keller	4	20,000
Riverside	4	12,000
Conrad	9	30,000
East Main	9	10,000
Mill Street	6	8,000
Texas	2	2,000
Hartsler	14	60,000
Franklin	2	2,000
Mahols	11	20,000
Mound	<u>11</u>	<u>50,000</u>
Total	150	\$573,000

Schools.....#8.

This estimate of the total valuation of school buildings is probably conservative. It compares with a figure of \$610,000, an estimate made by the State Education Department.

Parochial Schools

Newark has two parochial schools with an enrollment of about six hundred students. One is an elementary school, and the other a High school, giving instruction equivalent to from two to three years regular High School work. There are fourteen teachers in all in the two parochial schools.

Business Colleges

Newark has one business college - the Newark Business College.

University

Denison University is located in Granville, about five miles from Newark. This is a co-educational college offering courses in Arts and Sciences. No technical courses are given.

The university has a faculty of fifty-three members and about seven hundred students are enrolled.

Newark Public Schools 1916-1917

BOARD OF EDUCATION

Wm. E. Miller, President Phone 1024—25 South Park Place
J. M. Mitchell, Vice President . Phone 1263—14 North Second St.
Ben Montgomery, Clerk Phone 5035—130 Cedar Street.
S. W. Haight Phone 3390—169 West Church St.
W. C. Christian Phone 1445—City Building.

OFFICERS AND TEACHERS

Superintendent—WILSON HAWKINS
Office—High School Building. Phone 1632.
Residence—239 Granville St. Phone 3681.

Clerk to Superintendent—MILDRED RHOADS.
Residence—48 East Church St. Phone 4970.

Supervisor of Drawing—EDITH McCOY.
Residence—55 Commodore St. Phone 4785.

Supervisor of Music—C. W. KLOPP.
Residence—197 Eleventh St. Phone 3337.

Director of Manual Training—W. E. PAINTER.
Residence—393 Eddy St. Phone 1352.

Assistant in Manual Training—A. B. LONG.
Residence—R. F. D. No. 3. Phone 3906.

Supervisor of Domestic Science—EDITH CLARK.
Residence—169 West Church St. Phone 3390.

Supervisor of Domestic Art—CARRIE ZENTMYER.
Residence—175 West Main St. Phone 1298.

Superintendent of Buildings and Truant Officer—F. G. HANDEL.
Residence—43 Columbia St. Phone 1417. Office Phone 1633.

HIGH SCHOOL—Phone 1352, 120 West Main St.

Oren J. Barnes, Principal, 161 Granville St. Phone—Residence,
3832; Office, 1352.

Leaha Orr, Clerk to Principal, 179 Maholm St. Phone 6206.

J. A. Tait, Assistant Principal, History, 52 Eighth St. Phone 1910.

H. J. Dickerson, History and Geography, 296 Hudson Ave.

H. F. Moninger, Mathematics, 110 North Sixth St. Phone 3003.

Fred S. Stimson, Chemistry, 203 West Locust St.

L. G. Millisor, Commercial Department, 129 West Locust St. Phone
1398.

George G. Winter, Commercial Department, 76 Columbia St.

H. M. Beatty, Mathematics, 170 Buckingham St. Phone 3588.
 C. F. Little, Science and Mathematics, 14 Granville St.
 R. C. Miller, History and English, 110 North Sixth St. Phone 3003.
 P. R. Murphey, Science and Mathematics, 317 West Church St.
 Phone 3582.
 K. J. Hopp, Agriculture and Physical Geography, R. F. D. No. 3.
 Janet R. Jones, French and Mathematics, 40 East Locust St. Phone
 1378.
 Kate F. Foos, German, 73 West Main St. Phone 1944.
 Carrie B. Allen, Latin, 40 East Locust St. Phone 1378.
 Madge Lindsay, English, 40 East Locust St. Phone 1378.
 Edith Clark, Domestic Science, 169 West Church St. Phone 3390.
 Clara L. MacDonald, Latin, 95 Hudson Ave. Phone 1722.
 Eunice E. Thomas, English, 169 West Church St. Phone 3390.
 Anne M. Wotring, Preceptress, German, R. F. D. No. 3. Phone 6296.
 Mabel G. Pugh, English and Mathematics, 18 North Cedar St. Phone
 5283.
 Mary A. Larason, Commercial, 595 Hudson Ave. Phone 7446.
 Rose A. Pugh, Mathematics, 18 North Cedar St. Phone 5283.
 Bertha L. Crilly, English, 275 Cedar St. Phone 5045.
 W. E. Painter, Director of Manual Training, 393 Eddy St. Phone
 816-K.
 C. W. Klopp, Supervisor of Music, 197 Eleventh St. Phone 3837.
 Edith McCoy, Supervisor of Drawing, 55 Commodore St. Phone
 4785.
 Carrie Zentmyer, Domestic Art, 175 West Main St. Phone 1298.

CENTRAL—Phone 1671. 116 West Church St.

Cora B. Haughey, Principal, 100 North Fourth St. Phone 4160.
 8 Dora Brennstuhl, 332 Indiana St. Phone 5274.
 8 Ada Simms, 173 Fairfield Ave. Phone 7399.
 7 Gertrude Hawke, 185 W. Church St. Phone 4634.
 6 Martha Lundy, 453 Granville St.
 5-6 Bess W. Taafel, 67 North Sixth St. Phone 1095.
 5 May Hawke, 76 North Sixth St. Phone 4004.
 4 Mabelle Mitchell, 200 South Fifth St. Phone 4228.
 4 Louise Africa, 248 West Church St. Phone 3493.
 3 Mary Louise Rank, 111 North Sixth St. Phone 3118.
 2 Gladys Beecher, 248 West Church St. Phone 3493.
 1-2 Edith Woodward, 185 West Church St. Phone 4634.
 1 Emma O. Koos, 70 Pearl St. Phone 1020.

WOODSIDE—Phone 1631. Corner Hoover and Woods Avenue.

8 Anna Frye, Principal, 108 North Seventh St. Phone 4508.
 8 Alice MacMahon, 99 North Fourth St.
 7 Nellie Braddock, 298 West Locust St. Phone 1196.
 6 Lena M. Anderson, 230 Hoover St. Phone 1271.
 5 Mary E. Newham, 196 Buckingham St. Phone 4483.
 5 Neva Baumgarten, 56 Sixteenth St. Phone 6435.
 4 Edna Warner, 120 Twelfth St. Phone 3807.
 3 Ida Davis, 239 Buckingham St. Phone 4221.
 3-4 Marie Graham, 91 Western Ave.
 2 Jessie Severe, 241 Eddy St.
 1-2 Flavia Dunston, 230 Hoover St. Phone 1271.
 1 Irene Hazelton, 30 Oak St.

NORTH FOURTH—Phone 1374. 220 North Fourth St.

- 8 Gertrude Avey, 55 Commodore St. Phone 4785.
- 7 Bertie Jones, Principal, 17 Oak St.
- 7 Mayme Cagney, 120 Mouil St. Phone 7294.
- 6 Anna R. Booth, 443 North Fourth St. Phone 7402.
- 5 Mary Haymond, 530 Kibler Ave. Phone 7105.
- 4-5 Bertha Latimer, 293 Hudson Ave. Phone 1130.
- 2-3 Mary Adam, 196 Eleventh St. Phone 4372.
- 1 Martha L. Sininger, 345 North Fourth St.

HUDSON—Phone 7085. Corner Hudson Avenue and Shields Street.

- 6 Maude B. Stadden, Principal, 345 Hudson Ave. Phone 7493.
- 4 Katherine Ambrose, 218 North Fourth St. Phone 4665.
- 3 Ida V. Henry, 360 Elmwood Ave.
- 1-2 Mary Palmer, 62 Commodore St.

KELLER—Phone 7027. Corner Stevens Street and Maple Avenue.

- 4 Louise Wulfooop, Principal, 43 Clinton St. Phone 3365.
- 3 Ella B. Ritter, Mt. Vernon Road. Phone 7324.
- 2 Hazel Carnes, 67 Neil Avenue. Phone 6267.
- 1 Chloe Sharritt, 644 North Fourth St.

RIVERSIDE—Phone 7006. Case Avenue and Leroy Street.

- 5 Laura Broome, 646 Maple Ave. Phone 7802.
- 3-4 Thelma Miller, 27 West Shields St. Phone 7293.
- 1-2 Bess F. Laird, Principal, 29 Wyoming St. Phone 4284.

CONRAD—Phone 5036. Vine and Indiana Streets.

- 7-8 Jessie Browne, Principal, 106 East Church St.
- 6 Emily Hall, 142 North Cedar St. Phone 5138.
- 5 Ruth Hollar, R. F. D. No. 3, Newark.
- 4 Helen Arbaugh, 377 West Church St. Phone 4489.
- 3-4 Ruth Felumlee, 150 North Fifth St. Phone 4310.
- 3 Anabel Conrad, 37 Beuna Vista St. Phone 1698.
- 2 Helen Bell, 387 E. Main St. Phone 5229.
- 1 Grace Gorby, 91 Buena Vista St. Phone 4799.

EAST MAIN—Phone 5070. East Main and Arch Streets.

- 8 Mary L. Kilpatrick, Principal, 55 North Buena Vista St. Phone 1892.
- 7 Thora MacDonagh, 245 East Main St. Phone 5263.
- 7 Cynthia Evans, 55 North Buena St. Phone 1892.
- 6 Florence Myer, 19 North Morris St. Phone 5311.
- 5 Helen Hall, 172 South Pine St. Phone 6422.
- 4 Edith Hague, 88 Dewey Ave.
- 2-3 Helen Nichols, 191 Clinton St. Phone 3649.
- 1 Amy Alspach, 219 Mound St. Phone 4607.

MILL STREET—Phone 5039. 407 East Main Street.

- 6 Margaret Browne, 128 South Third St. Phone 3213.
- 5 Eva MacDonagh, 245 East Main St. Phone 5263.
- 4 Sarah McKitrick, 58 Dewey Ave. Phone 5147.
- 3 Esther Banton, 223 Buckingham St. Phone 4321.
- 2 Hazel Armstrong, 420 East Main St. Phone 5287.
- 1 May Van Horn, 60 East Church St. Phone 1157.

TEXAS—Phone 2005. Webb and Ohio Streets.

1-2-3 Florence Hart, 263 Buena Vista St. Phone 4851.

HARTZLER—Phone 1811. 118 South Fifth Street.

- 8 Katie A. Murphy, Principal, 169 South Fifth St. Phone 1201.
- 8 Alice L. MacMahon, 99 North Fourth St.
- 7 Faith N. Fry, 48 Prospect St. Phone 3654.
- 6 Nellie McNealy, 353 North Fourth St. Phone 7421.
- 6 Wilhelmina Mohlenpah, Third and Baker Sts. Phone 1072.
- 5 Florence Boyd, 209 Maholm St. Phone 6024.
- 5 Laura Blanc, 23 Pond St. Phone 6157.
- 4 Lillian MacNealy, 94 North St. Phone 7266.
- 4 Mary Brumback, 248 West Church St. Phone 3493.
- 3 Daisy E. Stuart, 177 West Main St.
- 2-3 Anna Fitzpatrick, 26 German St.
- 1-2 Lettie Wildman, 159 South Third St. Phone 3045.
- 1 Elizabeth Watkin, 38 First St. Phone 4276.

FRANKLIN—Phone 1701. Prospect Street, Franklin Addition.

1-2-3 Sue Guthrie, 29 Franklin Ave. Phone 3349.

MAHOLM—Phone 6044. Maholm, East of Williams.

- 6-8 Louise Eichorn, Principal, 315 W. Church St. Phone 4503.
- 6 Esther Kissane, 65 North Pine St. Phone 6131.
- 5-6 Helen Lavin, 115 Chestnut St. Phone 4286.
- 5 Lillian Johnson, 74 James St. Phone 6041.
- 4 Anna Lyon, Granville, Ohio. Phone 148.
- 3 Beatrice Orr, 179 Maholm St. Phone 6206.
- 3 Ethel Rutledge, 242 West Locust St. Phone 4179.
- 2 Nellie Smith, 69 Neil Ave. Phone 6267.
- 1-2 Margaret Arbaugh, 377 West Church St. Phone 4489.
- 1 Helen Redman, 89 North Fourth St. Phone 4601.

MOUND—Phone 6042. Grant Street, East of Williams.

- 8 Carrie M. Kirby, Principal, 278 Union St. Phone 6346.
- 7 Lillian Kammerer, 272 West Church St. Phone 4530.
- 7 Edna Swanson, 80 North Sixteenth St.
- 6 Matilda Desch, 435 West Main St. Phone 1396.
- 5 Daisy Harrington, 165 Eleventh St. Phone 3501.
- 4 Josephine Johnson, 74 James St. Phone 6041.
- 3 Jennie Wolf, 209 South Pine St.
- 2 Grace Dicken, 467 West Main St.
- 1 Alice A. Simpson, 207 West Main St. Phone 1568.

CADET AND SUBSTITUTE TEACHERS.

- Edith Anderson, 656 North Fourth St. Phone 7104.
- Catherine Sachs, 124 Eleventh St. Phone 3104.
- Dorothy Edmiston, 275 Hudson Ave. Phone 3602.
- Nellie Ballou, 77 Seventh St. Phone 4385.
- Minnie Stauch, 155 South Second St. Phone 3623.
- Grace Williams, 82 High St. Phone 3924.
- Ruth Habercorn, 231 North Tenth St. Phone 1543.
- Mrs. J. M. Mitchell, 143 West Main St. Phone 1969.
- Mrs. Theodore Taylor, 232 Eddy St. Phone 4327.

Library

The Newark Public Library is located in the Auditorium building. A free reading room is maintained there which is open to the public from 9 A.M. to 8 P. M. every day except Sunday. A separate reading room for children is open every week day up to 6 P. M.

Circulating privilege to the library is free to all persons in the city of Newark. A charge of one dollar per year is made to persons living in Newark township, outside the city.

The library now has about twelve thousand volumes.

About eight thousand people in all have circulation cards from the library at the present time.

Churches

Newark has a large number of well organized and active churches. The church buildings on the whole are in splendid condition and well built. The percentage of church membership to the total population is high. The following list shows the principal denominations with number of members:

<u>Denomination</u>	<u>Number of Churches</u>	<u>Number of Members</u>
Baptist	1	432
Catholic	2	3800
Christian Union	1	284
Church of Christ	1	265
Church of God	1	173
Church of Nazarene	1	50
Congregational	1	260
Episcopal	1	600
Evangelical Lutheran	2	1400
Lutheran	1	212
Methodist Episcopal	3	2916
Methodist Episcopal (colored)	1	108
Presbyterian	3	1470
United Brethren	2	760

There is also one Christian Science church in the city.

Y. M. C. A.

The Newark Y. M. C. A. received its charter from the state organization in 1876. Its work from that year up to 1899 was carried on in rented quarters. In 1898 property was purchased through the efforts of some public spirited men of Newark and the present building was erected. The cost of the building when constructed was \$25,000.

At the present time the association is in a very prosperous condition and is very active. It is free from debt. It now has about 550 members in all. Railroad Y. M. C. A. membership tickets are honored.

Annual dues are as follows -

Men -

Social membership.....	\$3.00
Bath Privilege.....	5.00
Full Privileges.....	8.00

Boys -

Between ages of ten and twelve.....	\$2.00
Over twelve years old and in grade school)	4.00
Working boys under sixteen years)	
High School boys up to 18 yrs of age	6.00

The association has sixteen rooms which it rents to members. Rates average \$1.75 a week. Outside rooms are \$2.00 a week; for two persons in an inside room \$1.50 each a week.

The association has in its building an auditorium with a seating capacity of about 350 people. It has been very free to offer the use of this room for public meetings, without charge for such use.

Y. M. C. A...#2.

A mechanical drawing class is now being conducted by the association at night. Ten people are now enrolled. Classes are held twice each week for a period of twenty weeks.

The Secretary, Mr. Frank L. Johnson, suggested that with the aid of the Baltimore and Ohio Railroad, the activities of the association could be considerably extended. The railroad owns a brick building near its freight station which was formerly a railroad branch of the Y. M. C. A. At the present time the building is idle. If the Baltimore and Ohio could turn over this building for the use of the Y. M. C. A. a great deal of additional space would be gained, and the association could extend its field of usefulness.

Y. W. C. A.

Newark's Y. W. C. A. is an outgrowth of the Business Girls Club which was formed in 1910 for the purpose of providing a home for business girls. In 1912 the Y. W. C. A. was organized and took over the work of the club.

The original aim of providing a comfortable home at reasonable cost for girls has been adhered to.

Annual dues are as follows:

Girls over 18 years of age..... \$1.00

Girls over 13 and under 18 yrs... .50

These dues give full privileges except the gymnasium classes which run for twelve weeks. For these classes the following additional charges are made.

Girls over 18 \$2.00 a term of twelve weeks.

Girls under 18..... .50 a term of twelve weeks.

The association is now able to supply rooms and board for from sixteen to twenty girls. An exceptionally low charge is made - three dollars per week for room and board. The association is handicapped in this very praiseworthy work by lack of room and funds.

The membership usually runs from five to six hundred. At the present time it is down to a low mark of three hundred. This is due to the large number of expirations. Most of these will without doubt be renewed within a short time.

Another commendable feature of the Y.W.C.A.'s work is the operation of a Cafeteria where lunch is served to girls (and men if accompanying girls) for a reasonable charge. An average of seventy-five girls are served daily.

Y. W. C. A..#2.

The following are the officers at present -

President..... Mrs. J. B. Jones
 First Vice President..... Mrs. W. C. Miller
 Second Vice President..... Mrs. A. S. Mitchell
 Recording Secretary..... Mrs. Eugene F. Ball
 Corresponding Secretary..... Mrs. John Tucker
 Treasurer..... Mrs. C. C. Metz

 General Secretary..... Miss Martha C. Allis
 Physical & Extension Secretary. Miss Isabel Elliott
 Office Secretary..... Miss Helen Tucker
 House Secretary..... Miss Marietta Pierce

Hospitals

1. The Newark City Hospital receives patients without charges in the ward who are unable to pay for treatment. The city makes an annual appropriation for the maintenance of the ward.

There are also private rooms in the hospital for use by persons able to pay for treatment.

2. The Newark Sanitarium is strictly a private institution, charge being made to all patients. All classes of cases are taken here, with the exception of contagious diseases.

Hotels

Varden - American Plan.

65 Rooms
20 Baths
45 Running Water

Arcade -

70 Rooms, all with bath
\$1.00 per night, European
No restaurant

Sherwood - American and European Plans.

50 Rooms
18 with Bath
25 with running water
7 without running water.

Rates -

European

.75, without running water
\$1.00, with running water
1.50, with bath

American

\$2.50, without bath
3.00 with bath.

Meals, fifty cents.

Seiler -

28 Rooms
No bath or running water
American Plan - \$1.50 up
European Plan - .50 - .75 - \$1.00

Newspapers

Newark has three newspapers -

- Daily papers (afternoon) - 2
- Weekly (German-American) - 1

The Newark Advocate is published every afternoon except Sunday. It is Democratic in politics. Its circulation is as follows:

Full circulation	- 6500 - 6600
Net Paid	- 6100, of which total

about 5750 is within a radius of twenty miles.

The Newark American Tribune, a Republican paper is published in the afternoon every day except Sunday.

Its circulation is as follows:

In city.....	About 3,000
Outside city.....	" <u>2,300</u>
Total Circulation....	" 5,300

The German Express is published weekly in both German and English. In politics it is an Independent Democratic paper. It is issued every Thursday. Total circulation from nine hundred to one thousand.

Theatres

Newark has two theatre buildings - one a fairly large house (seating capacity of about fourteen hundred). Plays of a good quality are frequently presented here, and moving pictures are exhibited the balance of the time. The other theatre is a small vaudeville house where from three to four acts of a fair class of vaudeville are presented nightly.

In addition to the two theatres mentioned above, there are five strictly motion picture houses.

Playgrounds

Newark has three large public playgrounds. Their maintenance and operation is under the jurisdiction of the Superintendent of Schools.

The largest of these is located near the center of the city and covers an area of about 7-3/4 acres. Fifteen hundred people can easily be accommodated on this ground without crowding.

The Heisey field covers four city lots - an area of about four fifths of an acre and will hold 180 people comfortably.

The Riverside ground is about 1-1/2 acre in area and will accommodate 180 people.

All the grounds are supplied with various equipment for outdoor sports.

Buckeye Lake

Newark is situated about eleven miles from one of the largest and finest summer resorts in the state of Ohio - Buckeye Lake.

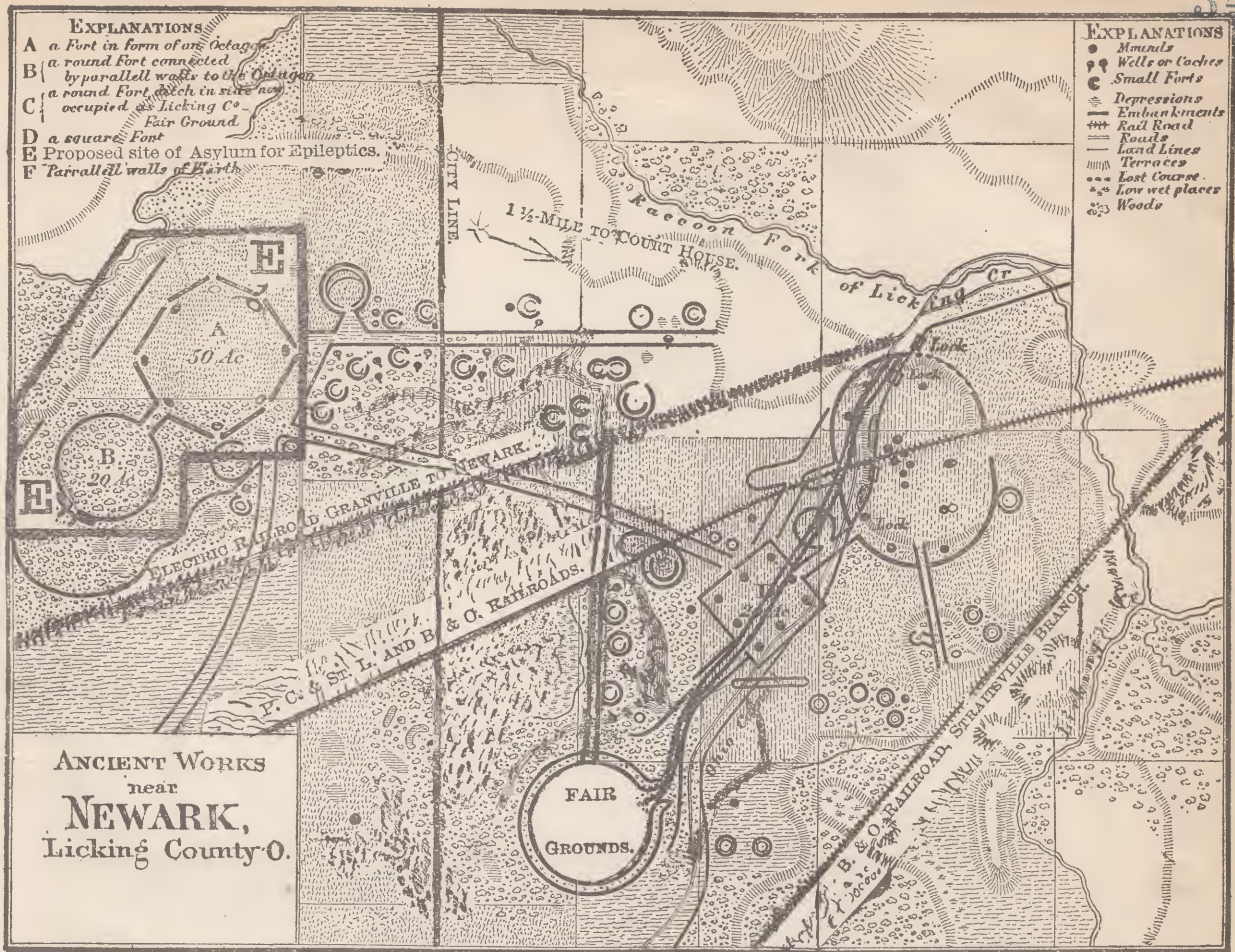
The lake is about eleven miles long, and from 1-1/4 to two miles in width. A large number of cottages have been constructed, over four thousand being occupied during the summer of 1915. A large number are also occupied in winter as well as summer.

The lake property is equipped with all kinds of outdoor amusement devices and forms an admirable summer amusement park. It is a decided asset to the city of Newark, because of the ease with which workmen and people of all classes can reach a good clean place of amusement. It is situated on the interurban line to Columbus, and is reached at a cost of ³⁵twenty-five cents for the round trip from Newark.

Mound Builders Park

Mound Builders Park is located in the southwestern part of the city. The property is owned by the county, and is used as the location for the county fair.

The park is the location of a very extensive system of mounds built by prehistoric people, and the earth works are still in a good state of preservation.



THE most extensive and intricate group of all prehistoric earthworks, consisting of squares, circles, octagons and parallels, occupies a plain of about four square miles between the South Fork of the Licking River and Racoon Creek, forty feet above these streams. As one passes thru this plain, constantly finding some evidence of the moundbuilders who, under such trying circumstances, constructed these magnificent works, he wonders if this was not a rendezvous of the inhabitants for miles around.

The old fort, a mile in circumference, is the most prominent of the whole group. A short distance east of the fort in a southwesterly direction is the octagon fort and circle. A circle twenty-five hundred and eighty feet in circumference and six feet in height is connected with the octagon, which encloses an area of thirty-eight and one-half acres, by a graded way. The sides of the octagon do not intersect but leave an opening, back of which is a mound five feet high and eighty by one hundred feet at the base. It appears that the builders originally intended to connect a system westward from the circle by constructing parallels nearly two miles long but abandoned the idea and completed the work by constructing a mound one hundred and seventy feet long and eight feet longer than the wall of the circle on the west side.

Happily, these wonderful works have been well preserved and no doubt will be preserved for the appreciation of future generations.

CHAPTER III

CITY GOVERNMENT

City Government

At present Newark has the regular Federal form of government. The executive and legislative officers of the city are elected every two years. The list below gives these offices and the names of the present incumbents:

Mayor..... R. C. Bigbee *H. A. Thurston*
City Auditor..... Nelson A. Dodd
City Treasurer... Clifford Frye
City Solicitor... Ralph Norpell-)

Nine councilmen, one elected from each of the six wards, and three at large.

The following offices are filled by appointment of the Mayor, the officers holding office at his pleasure. In each case the name of the present holder is given:

Director of Service..... Wm. C. Christian
Director of Safety..... G. A. Bigbee
Sealer of Weights and Measures... B. F. White
Civil Service Commissioners - Six in number
Board of Sinking Fund Trustees - Three in number
Board of Health - Five in number.

Members of the Board of Health elect the Health Officer.

All other city officers and employees are under Civil Service rules.

With the exception of the City Auditor's office none of Newark's city departments publish any annual reports. It is suggested that good results might be obtained by publishing for public distribution reports for the various departments. The people of Newark would thus be enabled to keep in closer touch with city affairs.

City Government...#2.

On March 13, 1917, Newark is to vote on the question of changing the type of city government to the Commission form. Sentiment seems to be quite strong for the change, and prospects are good for carrying the proposition.

City Building

The building in which the city offices are located is a very old one. It was formerly a brick structure and was originally built before the Civil War. It has been remodeled and an outer coating of concrete has been placed over the original brick walls.

Public Halls

Memorial Building.....	1400
High School Auditorium....	1050
K. of P. Hall.....	300 - 400
Masonic Hall.....	400 - 500
Y. M. C. A. Auditorium....	350

Theatres

Newark has two theatres and five moving picture houses.

FOURTEENTH
ANNUAL REPORT
OF THE
CITY AUDITOR
CITY OF
NEWARK, OHIO



NEWARK PUBLIC LIBRARY
NEWARK, OHIO

An Ideal Manufacturing and Residence City

Incorporated 1860
Population 30,000

YEAR ENDING
DECEMBER 31, 1916

FOURTEENTH
ANNUAL REPORT
OF THE
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An Ideal Manufacturing and Residence City

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DECEMBER 31, 1916

Newark, Ohio, February 19, 1917.

To the Honorable Council and Mayor of the City of Newark, Ohio:

Gentlemen—In compliance with the statutes of the State of Ohio, I herewith submit my annual report, as Auditor of said City, for the year ending December 31, 1916. This report includes information which I trust will have your most earnest study and consideration.

Respectfully submitted,

A. NELSON DODD,

City Auditor.

ANNUAL SALARIES OF CITY OFFICIALS AND EMPLOYEES

Department of General Government—

President of Council	\$ 240.00
Councilmen (per member)	150.00
Clerk of Council	900.00
Sergeant-at-Arms	100.00
Mayor	1,500.00
Clerk to Mayor	480.00
Auditor	1,500.00
Deputy Auditor	720.00
Treasurer	600.00
Clerk to Treasurer	300.00
Solicitor	1,500.00
Clerk to Solicitor	192.00
Board of Elections (per member)	145.00
Clerk to Board of Elections	174.00
Civil Service Commission (per member)	150.00
Clerk to Civil Service Commission	200.00
Humane Officer	240.00

Department of Protection of Life, Health and Property—

Public Safety—

Director of Public Safety	\$ 600.00
Chief of Police	1,380.00
Sergeant of Police	1,020.00
Station House Keeper	960.00
Patrol Truck Driver	960.00
Wagonman	960.00
Patrolman	960.00
Special Policeman (per day)	2.00
Chief of Fire Department	1,380.00
Assistant Chief of Fire Department	1,200.00
Captain Fire Department	1,080.00
Fire Truck Driver	1,020.00
Regular Fireman	960.00
Special Fireman (per day)	2.00

Public Health—

Health Officer	\$ 780.00
Clerk to Health Officer	196.00
Sanitary Policeman	720.00
Food Inspector	720.00

Bureau of Inspection—

Sealer of Weights and Measures	600.00
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ANNUAL SALARIES OF CITY OFFICIALS AND EMPLOYEES

Department of Public Service—

Director of Public Service	\$2,100.00
Clerk to Director of Public Service	900.00
City Engineer	1,200.00
Assistant Engineer	960.00
Rodman	720.00
Superintendent of Streets	780.00
Street Laborers (per day)	2.00
Garbage Disposal	480.00
Janitor City Building	500.00

Water Works Department—

Cashier	\$ 600.00
Chief Clerk	540.00
Clerk	360.00
Superintendent Pumping Station	960.00
Foreman Pumping Station	840.00
Engineers Pumping Station (per hour) .....	.37 ½
Firemen Pumping Station (per hour) .....	.31 ¼
Laborers (per day)	2.00

Electric Light Plant—

Lineman	900.00
Trimmer	900.00
Engineers (per hour) .....	.37 ½
Firemen (per hour) .....	.31 ¼
Laborers (per day)	2.00

Cemetery—

Superintendent	1,000.00
Assistant Superintendent	810.00
Laborers (per day)	2.00

GENERAL FUND.

RECEIPTS.

Balance January 1, 1916	\$ 7,390.35	
General Taxes	4,241.33	
Liquor Taxes	14,360.53	
Inheritance Tax	2,032.20	
Venders' Licenses	430.00	
Shows and Theater Licenses	625.50	
Pawn Brokers' Licenses	50.00	
Mayor's Fines and Costs	1,185.40	
Interest on Deposit	6,336.90	
Forfeitures	10.00	
Wagon Fees	412.00	
Miscellaneous	3.00	
Total Receipts and Balance		\$ 37,077.21

EXPENDITURES.

Council 1-A.

Salary, Ten Members	\$ 1,567.03	
Salary, Sergeant-at-Arms	100.00	
Furniture and Fixtures	1.50	
Incidentals	73.43	
Printing Bonds	295.00	
Total Council		\$ 2,037.01

Clerk of Council 1-B.

Salary, Clerk	\$ 900.00	
Stationery	99.86	
Incidentals	12.82	
Total Clerk of Council		\$ 1,012.68

Mayor 1-C.

Salary, Mayor	\$ 1,500.00	
Salary, Clerk	480.00	
Furniture and Fixtures	155.00	
Stationery	83.47	
Incidentals	19.25	
Total Mayor		\$ 2,237.72

City Auditor 1-D.

Salary, Auditor	\$ 1,500.00	
Salary, Deputy Auditor	720.00	
Furniture and Fixtures	329.92	
Stationery	80.00	
Incidentals	21.82	
Total City Auditor		\$ 2,651.75

GENERAL FUND.

Treasurer 1-E.

Salary, Treasurer	\$ 600.00	
Salary, Clerk	300.00	
Stationery	24.99	
Incidentals	21.30	
	<hr/>	
Total City Treasurer		\$ 946.29

Solicitor 1-F.

Salary, Solicitor	\$ 1,500.00	
Salary, Clerk	192.00	
Stationery	20.00	
Incidentals	503.15	
Special Counsel	408.00	
Law Library	150.00	
Rent	103.00	
	<hr/>	
Total City Solicitor		\$ 2,876.15

Elections 1-H.

Salary, Members	\$ 519.47	
Salary, Clerk	174.00	
Incidentals	3.25	
Registrars, Clerks, etc.....	1,409.00	
Booths, Rents, etc.....	227.86	
Furniture, Fixtures and Booths	23.09	
Printing Ballots	385.73	
Incidentals	123.74	
	<hr/>	
Total Board of Elections		\$ 2,866.14

Legal Advertising 1-I.

Mayor's Proclamations	\$ 20.90	
General Ordinances and Resolutions	994.80	
Auditor's Annual Report	50.00	
	<hr/>	
Total Legal Advertising		\$ 1,065.70

Police and Firemen's Pension 1-K.

Pension	\$ 624.00	
Salary, Clerk	20.00	
	<hr/>	
Total Police and Firemen's Pension		\$ 644.00

Sealer of Weights and Measures 1-W.

Salary, Inspector	\$ 600.00	
Stationery	2.00	
Incidentals	9.00	
Supplies	39.13	
	<hr/>	
Total City Sealer		\$ 650.13

GENERAL FUND.

Civil Service Commission 1-Y.

Salary, Three Members	\$ 360.00	
Salary, Clerk	200.00	
Stationery	1.60	
Incidentals	51.00	
Legal Advertising	29.50	
	<hr/>	
Total Civil Service Commission		\$ 642.10

Humane Society 1-Z.

Salary, Humane Officer	\$ 240.00	
	<hr/>	
Total Humane Society		\$ 240.00

Transfers.

To Service Fund	\$ 2,000.00	
	<hr/>	
Total Transfers		\$ 2,000.00
Contingent		\$ 225.00

RECAPITULATION OF EXPENDITURES.

Department of Council	\$ 2,037.01	
Department of Clerk of Council	1,012.68	
Department of Mayor	2,237.72	
Department of Auditor	2,651.75	
Department of Treasurer	946.29	
Department of Solicitor	2,876.15	
Department of Elections	2,866.14	
Department of Legal Advertising	1,065.70	
Department of Police and Firemen's Pension	644.00	
Department of City Sealer	650.13	
Department of Civil Service Commission	642.10	
Department of Humane Society	240.00	
Department of Transfers	2,000.00	
Contingent	225.00	
	<hr/>	
Total Expenditures		\$ 20,094.67
Total Receipts and Balance		\$ 37,077.21
Total Expenditures		<hr/> 20,094.67
Balance in General Fund, Dec. 31, 1916..		\$ 16,982.54

PUBLIC SAFETY FUND.

RECEIPTS.

Balance January 1, 1916	\$ 441.33	
General Taxes	35,344.33	
Advance in 1917 General Taxes	2,000.00	
Liquor Tax	14,360.53	
Cigarette Tax	243.01	
Refunds	22.08	
Loans	10,000.00	
Miscellaneous	574.25	
Total Receipts and Balance		\$ 62,985.53

EXPENDITURES.

General Administration 2-A.

Salary, Director	\$ 600.00	
Salary, Clerk	73.37	
Stationery	38.40	
Other Employes	26.00	
Legal Advertising	5.50	
Total General Administration		\$ 743.27

Fire and Police Signal System 2-B.

Incidentals	\$ 45.00	
Police Signal System	752.00	
Fire Alarm System	106.25	
Total Fire and Police Signal System		\$ 903.25

Police Department 2-C.

Salary, Regular Police	\$ 17,390.27	
Salary, Operators	50.00	
Furniture and Fixtures	34.30	
Stationery	39.80	
Incidentals	194.16	
Special Police	420.00	
Fuel, Light and Supplies	227.76	
Horses, Harness, etc.	297.72	
Building Repairs	511.02	
Sustenance of Prisoners	2,520.72	
Total Fire Department		\$ 21,685.75

Fire Department 2-D.

Salary, Regular Firemen	\$ 23,147.58	
Furniture and Fixtures	119.50	
Stationery	1.90	
Incidentals	337.45	
Special Firemen	37.87	
Fuel, Light and Supplies	479.23	
Horses, Harness, etc.	950.00	
Building Repairs	205.86	
Total Fire Department		\$ 25,279.39

PUBLIC SAFETY FUND.

Fire Hydrants 2-E.		
Salary, Hydrant Repairman	\$ 25.67	
Purchases and Hydrant Repairs	402.80	
	\$ 428.47	
Disabled Firemen and Police 2-F.		
Salaries	\$ 37.42	
	\$ 37.42	
Miscellaneous 2-G.		
Payment of Notes and Interest	\$ 13,206.99	
	\$ 13,206.99	
Contingent	\$ 646.56	

RECAPITULATION OF EXPENDITURES.

Department of General Administration	\$ 743.27	
Department of Fire and Police Signal System	903.25	
Department of Police	21,685.75	
Department of Fire	25,279.39	
Department of Fire Hydrants	428.47	
Department of Disabled Firemen and Police	37.42	
Miscellaneous	13,206.99	
Contingent	646.56	
	\$ 62,931.10	
Total Expenditures	\$ 62,931.10	
Total Receipts and Balance	\$ 62,935.53	
Total Expenditures	62,931.10	
Balance in Public Safety Fund, Dec. 31, 1916	\$ 54.43	

PUBLIC HEALTH FUND.

RECEIPTS.

Balance January 1, 1916	\$ 24.95	
General Taxes	2,827.55	
Advance in 1917 General Taxes	500.00	
Ice Cream Permits	18.00	
Loans	1,250.00	
Miscellaneous	15.96	
Total Receipts and Balance		\$ 4,636.46

EXPENDITURES.

General Administration 3-A.

Salary, Health Officer	\$ 780.00	
Salary, Clerk	192.00	
Stationery	41.50	
Incidentals	50.74	
Office Rent	120.00	
Legal Advertising	11.70	
Payment of Notes and Interest	251.10	
Total General Administration		\$ 1,447.04

Sanitary 3-B.

Salary, Sanitary Police	\$ 720.00	
Incidentals .....	.50	
Contracts	135.00	
Total Sanitary		\$ 855.50

Quarantine 3-C.

Medical Services	\$ 96.75	
Guards	174.00	
Medical Supplies	793.46	
Food Supplies	48.49	
Incidentals	62.02	
Total Quarantine		\$ 1,174.72

Food Inspection 3-D.

Salary, Inspector	\$ 719.00	
Incidentals	22.02	
Total Food Inspection		\$ 741.02

RECAPITULATION OF EXPENSES.

Department of General Administration	\$ 1,447.04	
Department of Sanitary	855.50	
Department of Quarantine	1,174.72	
Department of Food Inspection	741.02	
Total Expenditures		\$ 4,218.28
Total Receipts and Balance		\$ 4,636.46
Total Expenditures		4,218.28
Balance in Public Health Fund, Dec. 31, 1916		\$ 418.18

PUBLIC SERVICE FUND.

RECEIPTS.

Balance, January 1, 1916	\$ 119.13	
General Taxes	31,103.01	
Advance in 1917 General Taxes	2,000.00	
Tapping Sewers	450.00	
Building Permits	115.50	
Rent of City Building	786.00	
City Scales	343.60	
Loans	1,000.00	
Installing Sewers	1,955.25	
Transfer from General Fund	2,000.00	
Transfer from Contractor's Deposit Fund....	24.00	
Miscellaneous	67.54	
Total Receipts and Balance		\$ 39,964.03

EXPENDITURES.

General Administration 4-A.

Salary, Director	\$ 2,100.00	
Salary, Clerk	900.00	
Furniture and Fixtures	26.20	
Stationery	49.25	
Incidentals	94.46	
Legal Advertising	48.10	
Total General Administration		\$ 3,218.01

Engineering 4-H.

Salary, Engineer and Assistants	\$ 2,876.32	
Stationery	15.81	
Incidentals	345.31	
Total Engineering		\$ 3,237.44

Grading Streets 4-I.

Labor	\$ 1,252.15	
Contracts and Material	816.18	
Total Grading Streets		\$ 2,068.33

Street Paving 4-J.

Labor	\$ 245.12	
Contracts and Material	199.80	
Total Street Paving		\$ 444.92

Street Repairing 4-K.

Supervisor	\$ 779.20	
Labor	3,604.21	
Material	148.14	
Tools, etc.	93.24	
Cross Walks	18.00	
Total Street Repairing		\$ 4,642.79

PUBLIC SERVICE FUND.

Sidewalks 4-L.

Laying Sidewalks	\$ 162.58	
Total Sidewalks		\$ 162.58

Street Cleaning 4-M.

Labor	\$ 3,059.27	
Materials and Supplies	794.90	
Horses, Barn Rent, etc.....	1,045.94	
Tools, etc.....	50.16	
Total Street Cleaning		\$ 4,950.27

Street Sprinkling 4-N.

Fountains and Horsetroughs	\$ 540.00	
Contracts Sprinkling	50.00	
Total Street Sprinkling		\$ 590.00

Garbage 4-P.

Supervision	\$ 435.44	
Total Garbage		\$ 435.44

Sewers 4-Q.

Labor	\$ 1,132.58	
Material	878.80	
Contracts	542.94	
Service Connections	131.84	
Total Sewers		\$ 2,686.16

City Scales 4-W.

Rent, Hay Market	\$ 100.00	
Repairs to Scales	55.50	
Total City Scales		\$ 155.50

Public Parks 4-X.

Labor	\$ 458.01	
Material	73.24	
Tools, etc.....	14.92	
Total Public Parks		\$ 546.17

City Building and Lands 4-Y.

Salary, Janitor	\$ 500.00	
Incidentals	46.94	
Repairs	91.26	
Lands and Buildings	100.40	
Total City Building and Lands		\$ 738.60
Return of Sewer Deposits		\$ 30.00
Contingent		\$ 6.38

PUBLIC SERVICE FUND.

MUNICIPAL ELECTRIC LIGHT PLANT.

Office 7-A.

Stationery	\$ 12.75	
Total Office		\$ 12.75

Power Plant 7-B.

Operation	\$ 7,454.74	
Maintenance	549.56	
Total Power Plant		\$ 8,004.30

Distribution 7-F.

Operation	\$ 1,677.13	
Maintenance	2,195.00	
Total Distribution		\$ 3,872.13

Lands and Equipment 7-G.

Equipment	\$ 1,513.98	
Total Lands and Equipment		\$ 1,513.98

Extensions 7-H.

Extensions	\$ 925.94	
Total Extensions		\$ 925.94
Contingent		\$ 649.73

RECAPITULATION OF EXPENDITURES.

Department of General Administration	\$ 3,218.01	
Department of Engineering	3,237.44	
Department of Grading Streets	2,068.33	
Department of Street Paving	444.92	
Department of Street Repairing	4,642.79	
Department of Sidewalks	162.58	
Department of Street Cleaning	4,950.27	
Department of Street Sprinkling	590.00	
Department of Garbage	435.44	
Department of Sewers	2,686.16	
Department of City Scales	155.50	
Department of Public Parks	546.17	
Department of City Building and Lands.....	738.60	
Department of Municipal Electric Light Plant	14,978.83	
Return of Sewer Deposits	30.00	
Contingent	6.38	
Total Expenditures		\$ 38,891.42
Total Receipts and Balance		\$ 39,964.03
Total Expenditures		\$ 38,891.42
Balance in Public Service Fund, Dec. 31, 1916		\$ 1,072.61

HOSPITAL FUND.

RECEIPTS.

Balance January 1, 1916 .....	\$	.00
General Taxes		1,696.53
Total Receipts and Balance	\$	1,696.53

EXPENDITURES.

Paid to Lady Board of Managers	\$	1,696.53
Total Expenditures	\$	1,696.53
Total Receipts and Balance	\$	1,696.53
Total Expenditures	\$	1,696.53
Balance in Hospital Fund, Dec. 31, 1916..	\$	.00

LIBRARY FUND.

RECEIPTS.

Balance January 1, 1916.....	\$	36.13
General Taxes		1,131.01
Advance in 1917 General Taxes		500.00
Total Receipts and Balance	\$	1,667.14

EXPENDITURES.

Salary, Librarian	\$	720.00
Salary, Assistants		540.00
Incidentals		73.00
Total Expenditures	\$	1,333.00
Total Receipts and Balance	\$	1,667.14
Total Expenditures	\$	1,333.00
Balance in Library Fund, Dec. 31, 1916..	\$	334.14

WATER WORKS FUND.

RECEIPTS.

Balance January 1, 1916	\$	12,206.64
Water Rent	44,201.05	
Meter Receipts	4,414.67	
Meter Repairs	442.19	
Interest on Deposit	469.40	
Refunds	4.75	
Miscellaneous	1,442.63	
Total Receipts and Balance		\$ 63,181.33

EXPENDITURES.

Office 6-A.

Salaries	\$	1,682.68
Furniture and Fixtures	33.40	
Stationery	405.55	
Incidentals	49.89	
Total Office		\$ 2,171.52

Supply 6-B.

Maintenance	\$	196.12
Total Supply		\$ 196.12

Pumping 6-E.

Operation	\$	10,552.64
Maintenance	2,291.15	
Total Pumping		\$ 12,843.79

Distribution 6-F.

Maintenance	\$	1,056.36
Total Distribution		\$ 1,056.36

Lands 6-G.

Lands and Buildings	\$	4,208.78
Total Lands		\$ 4,208.78

Extensions 6-H.

Mains	\$	3,829.89
Services	3,578.18	
Total Extensions		\$ 7,408.07

WATER WORKS FUND.

Meters 6-J.

Meters, New	\$ 3,498.19	
Meter Repairs	398.00	
Total Meters		\$ 3,896.19

Refunds 6-K.

Refunds	\$ 27.34	
Total Refunds		\$ 27.34

Cancellation of Bonds 6-M.

Transferred to Sinking Fund for Cancellation of Bonds	\$ 15,000.00	
Total Cancellation of Bonds.....		\$ 15,000.00
Contingent		\$ 7.40

RECAPITULATION OF EXPENDITURES.

Department of Office	\$ 2,171.52	
Department of Supply	196.12	
Department of Pumping	12,843.79	
Department of Distribution	1,056.36	
Department of Lands	4,208.78	
Department of Extensions	7,408.07	
Department of Meters	3,896.19	
Department of Refunds	27.34	
Department of Cancellation of Bonds.....	15,000.00	
Contingent	7.40	
Total Expenditures		\$ 46,815.57
Total Receipts and Balance		\$ 63,181.33
Total Expenditures		\$ 46,815.57
Balance in Water Works Fund, Dec. 31, 1916		\$ 16,365.76

CEMETERY FUND.**RECEIPTS.**

Balance January 1, 1916	\$ 14,645.83	
Sale of Lots	5,113.60	
Cemetery General Sale	7,165.92	
Interest on Deposit	62.72	
Interest on Investment	771.32	
Total Receipts and Balance		\$ 27,759.39

EXPENDITURES.

General Administration 13-A.

Salary, Superintendent	\$ 1,000.00	
Stationery	96.45	
Incidentals	15.13	
Total General Administration		\$ 1,111.58

Maintenance of Grounds 13-B.

Labor	\$ 5,816.00	
Supplies	2,233.05	
Building Repairs	19.41	
Fuel and Light	65.23	
Lands	14.00	
Grading	4,451.34	
Incidentals	140.37	
Total Maintenance of Grounds		\$ 12,739.40
Contingent		\$ 26.40

RECAPITULATION OF EXPENDITURES.

Department of General Administration	\$ 1,111.58	
Department of Maintenance of Grounds	12,739.40	
Contingent	26.40	
Total Expenditures		\$ 13,877.38
Total Receipts and Balance		\$ 27,759.39
Total Expenditures		\$ 13,877.38
Balance in Cemetery Fund, Dec. 31, 1916		\$ 13,882.01

CEMETERY ENDOWMENT FUND.**RECEIPTS.**

Balance January 1, 1916	\$.00	
Received for Care of Lots	1,580.00	
Total Receipts and Balance		\$ 1,580.00

EXPENDITURES.

Investment	\$ 1,580.00	
Total Receipts and Balance		\$ 1,580.00
Total Expenditures		\$ 1,580.00
Balance in Cemetery Endowment Fund, Dec. 31, 1916		\$.00

PERMANENT CARE FUND.

RECEIPTS.

Balance January 1, 1916	\$	12.60	
Interest on Investment		542.95	
		<hr/>	
Total Receipts and Balance	\$		555.55

EXPENDITURES.

Care of Lots	\$	540.22	
		<hr/>	
Total Expenditures	\$		540.22
Total Receipts and Balance	\$		555.55
Total Expenditures	\$		540.22
Balance in Permanent Care Fund, Dec. 31, 1916	\$		15.33

CONTRACTORS' DEPOSIT FUND.

RECEIPTS.

Balance January 1, 1916	\$	170.00	
Deposited by Contractors		24.00	
		<hr/>	
Total Receipts and Balance	\$		194.00

EXPENDITURES.

Return of Deposits	\$	80.00	
Transfer to Public Service Fund		24.00	
		<hr/>	
Total Expenditures	\$		104.00
Total Receipts and Balance	\$		194.00
Total Expenditures	\$		104.00
Balance in Contractors' Deposit Trust Fund, Dec. 31, 1916	\$		90.00

WATER DEPOSITS' TRUST FUND.

RECEIPTS.

Balance January 1, 1916	\$	5.00	
Deposits		5.00	
		<hr/>	
Total Receipts and Balance	\$		10.00

EXPENDITURES.

Return of Deposits .....	\$	.00	
		<hr/>	
Balance in Water Deposit Trust Fund, Dec. 31, 1916	\$		10.00

WATER WORKS CONSTRUCTION FUND.

Balance January 1, 1916		\$	168.20
Receipts	None		
Expenditures	None		
Balance in Water Works Construction Fund, Dec. 31, 1916		\$	168.20

SAFETY DEPARTMENT MOTOR TRUCK FUND.

RECEIPTS.

Balance January 1, 1916 .....	\$	.00	
Sale of Bonds		5,000.00	
Accrued Interest		117.50	
Total Receipts and Balance	\$	5,117.50	

EXPENDITURES.

Equipment	\$	4,995.00	
Transfer to Sinking Fund		122.50	
Total Expenditures	\$	5,117.50	
Total Receipts and Balance	\$	5,117.50	
Total Expenditures	\$	5,117.50	
Balance in Safety Department Motor Truck Fund, Dec. 31, 1916 .....	\$	.00	

ELIMINATION GRADE CROSSINGS FUND.

Balance January 1, 1916		\$240,000.00
Receipts	None	
Expenditures	None	
Balance in Elimination Grade Crossings Fund, Dec. 31, 1916		\$240,000.00

ELECTRIC LIGHT IMPROVEMENT.

RECEIPTS.

Balance January 1, 1916 .....	\$	.00	
Sale of Bonds		30,000.00	
Accrued Interest		62.50	
		<u> </u>	
Total Receipts and Balance	\$		\$ 30,062.50

EXPENDITURES.

Purchase of Equipment	\$	16,799.40	
Purchase of Material		2,712.16	
Freight on Equipment and Material		117.07	
Miscellaneous		115.40	
Sinking Fund		62.50	
		<u> </u>	
Total Expenditures	\$		\$ 19,806.53
Total Receipts and Balance	\$		\$ 30,062.50
Total Expenditures	\$		\$ 19,806.53
		<u> </u>	
Balance in Electric Light Improvement Fund, Dec. 31, 1916	\$		\$ 10,255.97

AUDITOR'S ACCOUNT SINKING FUND.

RECEIPTS.

Balance January 1, 1916 .....	\$	.00	
General Taxes		46,591.13	
Accrued Interest on Bonds		755.43	
Premium on Bonds		1,250.78	
Sale of Old Equipment (Electric Light)		625.00	
		<u> </u>	
Total Receipts and Balance	\$		\$ 49,222.34

EXPENDITURES.

Transfer to Sinking Fund	\$		\$ 49,222.34
		<u> </u>	
Balance in Auditor's Account Sinking Fund, Dec. 31, 1916	\$		\$.00

SPECIAL ASSESSMENT FUNDS.

Name of Improvement	Balance January 1, 1916	Receipts and Balance	Expendi- tures for Year	Balance December 31, 1916
Cedar Street Paving.....\$		\$ 171.15	\$ 171.15	\$
Elmwood Avenue Paving.....		406.62	406.62	
Oakwood Avenue Sidewalk.....		10.08	10.08	
Oakwood Avenue Sewer.....		149.40	149.40	
Woods Avenue Paving.....		224.88	224.88	
Stanberry Street Paving.....		135.41	135.41	
Gay Street Sewer.....		199.37	199.37	
Locust Street Paving.....		836.86	836.86	
West Main Street Paving.....		1,894.45	1,894.45	
North Second Street Paving....		155.40	155.40	
East Main Street Paving.....		249.62	249.62	
High Street Paving.....		70.77	70.77	
West Church Street Paving....		511.75	511.75	
Union Street Paving.....		1,229.91	1,229.91	
Hoover Street Sewer.....		35.10	35.10	
South Fifth Street Paving.....		194.90	194.90	
Pearl Street Paving.....		193.48	193.48	
North Fourth Street Paving....		787.03	787.03	
South Fourth Street Paving....		389.53	389.53	
Eddy Street Paving.....		290.47	290.47	
Locust and Clinton Sts. Paving		427.52	427.52	
North Avenue Sewer.....		18.69	18.69	
Fifth and Pataskala Sts. Sewer		25.07	25.07	
Woods Avenue Sidewalk.....		87.60	87.60	
North Williams Street Paving..		502.23	502.23	
Moul Street Sewer.....		14.34	14.34	
West Main Street Sidewalk....		3.99	3.99	
Hudson Avenue Sidewalk.....		4.69	4.69	
North Fourth Street Paving....		1,541.83	1,541.83	
South Fourth Street Paving....		771.18	771.18	
Buena Vista Street Paving.....		614.27	614.27	
Hudson Avenue Paving.....		431.25	431.25	
Wilson Street Paving.....		1,124.50	1,124.50	
Eighth Street Paving.....		226.74	226.74	
South Pine Street Paving.....		1,298.04	1,298.04	
Granville Street Sewer.....		176.55	176.55	
Sidewalk Construction Fund....	24.27	8,074.69	8,073.22	1.47
Tenth Street Sewer.....	1.03	1,723.52	1,723.52	
North Street Paving.....	4.11	7,810.45	7,810.45	
South Fifth Street Paving.....		1,269.64	1,269.64	
Buckingham Street Paving.....		509.57	509.57	
Granvine Street Paving.....	109.66	17,801.55	17,801.55	
Maholm Street Sewer.....		203.09	203.09	
Union Street Sewer.....		62.86	62.86	
Seventh and Columbia Sts. Sewer		29.13	29.13	
Baker and So. Third Sts. Sewer		216.51	216.51	
Seventh Street Sewer.....		4.03	4.03	
Maholm Street Paving.....		1,003.07	1,003.07	
Union Street Paving.....	3.99	8,202.30	8,202.30	
Wing Street Sewer.....		231.59	231.59	
Buckingham Street Sewer.....		160.38	160.38	
Miscellaneous City's Portion....	3,313.31	3,313.31	3,313.31	
Ecylston Avenue Sewer.....		404.72	404.72	
Elmwood Avenue Paving.....		75.98	75.98	
South Buena Vista Street Sewer		91.50	91.50	
Tuscarawas Street Sewer.....		75.60	75.60	
Dewey Avenue Paving.....		637.93	637.93	
Andover Street Paving.....		230.90	230.90	
North Eleventh Street Sewer...		276.63	276.66	
Washington Street Sewer.....		112.05	112.05	
Miscellaneous Special Assess...		141.02	141.02	
Locust Street Paving.....	4.69	7,549.37	7,549.37	
Linden Avenue Paving.....	10.27	7,342.91	7,342.91	
Maple Avenue Sewer.....	5.26	3,393.58	3,393.58	
Central Avenue Paving.....	14.65	2,511.33	2,511.33	
South Williams Street Sewer...	170.58	170.58		170.58
Park Avenue Sewer.....	163.71	1,241.30	1,241.30	
Indiana Street Sewer.....	349.50	620.15	620.15	
Arch and Lawrence Sts. Sewer	3.33	1,480.21	1,480.21	
Ballard Avenue Sewer.....	24.92	1,152.89	1,152.89	

SPECIAL ASSESSMENT FUNDS.

Name of Improvement	Balance January 1, 1916	Receipts and Balance	Expendi- tures for Year	Balance December 31, 1916
Penny Avenue Sewer.....	\$ 158.98	\$ 707.26	\$ 707.26	\$
Flory Avenue Paving.....	.71	1,396.22	1,396.22	
Webb Street Sewer.....	38.49	405.06	405.06	
North Gay Street Sewer.....	368.42	939.74	939.74	
Elizabeth Street Paving.....	62.82	3,460.67	3,460.67	
East Locust Street Sewer.....	1.28	1,001.28	1,001.28	
Oakwood Avenue Pav'ng.....	123.13	13,256.76	13,256.76	
South Williams Street Paving..	960.78	18,798.18	18,798.18	
Seventh Street Paving.....	47.50	7,124.39	6,512.51	611.88
Maple Avenue Paving.....	11.31	19,387.51	19,387.51	
Charles Street Sewer.....	30.39	587.21	587.21	
Indiana, Front, Locust and Jackson Street Sewer.....	416.88	2,427.44	2,427.44	
North Eleventh Street Paving..	7.63	5,349.34	5,349.34	
Clarendon Street Sewer.....	2.59	3,297.50	3,297.50	
Chestnut Street Sewer.....	368.23	1,113.79	910.00	203.79
Gay Street Paving.....	7.26	4,528.89	3,695.20	833.69
Ninth Street Paving.....	3.08	602.05	602.05	
Buena Vista Street Paving.....	152.08	3,405.18	2,579.04	826.14
Kibler Avenue Paving.....	59.30	4,270.55	4,270.55	
Hoover Street Paving.....	63.70	9,108.65	9,108.65	
Charles Street Paving.....	47.30	3,476.61	3,476.61	
North Fifth Street Sewer.....	57.53	296.06	295.71	.35
North First Street Sewer.....	230.98	1,260.26	1,260.26	
Park Avenue Paving.....	430.00	5,090.12	4,530.50	559.62
Sixth Street Paving.....	6.16	4,492.62	3,765.76	726.86
Hudson Avenue Resurfacing...		27,009.64	26,869.25	140.39
North First Street Paving.....		6,795.00	6,770.58	24.42
Tenth Street Paving.....		12,307.33	11,836.74	470.59
Indiana Street Paving.....		19,831.06	19,816.05	15.01
Paving Alleys.....		2,040.00	2,020.77	19.23
Chestnut, North Fifth and Com- modore Street Paving.....		12,284.80	12,284.80	
Chestnut Street Sewer.....		466.58	442.61	23.97
Commodore and North Fifth Street Sewer.....		549.55	548.58	.97
Cedar Crest Avenue Sewer.....		1,940.50	1,562.37	378.13
Moul Street Paving.....		6,539.83	6,507.05	32.78
Franklin Avenue Sewer.....		1,805.50	1,249.12	556.38
Prospect Street Sewer.....		1,061.83	1,058.36	3.47
Gainor Avenue Sewer.....		363.19	349.60	13.59
East Main Street Repaving.....		13,147.50		13,147.50
Eleventh Street Sewer.....		1,231.10	1,230.94	.16
Harrison Street Sewer.....		1,558.85		1,558.85
Eleventh Street Paving.....		19,008.96	19,005.42	3.54
Ninth Street Paving.....		8,022.42	7,884.92	137.50
South Cedar Street Paving.....		1,239.91	1,235.47	4.44
Wyoming Street Paving.....		2,317.11	2,295.14	21.97
Total	\$7,859.81	\$348,833.04	\$328,345.77	\$20,487.27

SUMMARY OF SPECIAL ASSESSMENT FUNDS.

Balance January 1, 1916.

	Assess. Portion.	City's Portion.	Total.	Grand Total.
Paving	\$ 440.35*	\$ 3,622.76	\$ 3,182.41	\$
Sewers	566.04	4,087.09	4,653.13	.....
Sidewalks	24.27	.....	24.27	.....
Total	\$ 149.96	\$ 7,709.85	.....	\$ 7,859.81

RECEIPTS

Loans

Paving	\$ 81,233.65	.....	.....	.....
Sewers	3,517.10	.....	.....	.....
Sidewalks	3,600.00	.....	88,350.75	.....

Sale of Bonds.

Paving	126,100.00	41,096.13	.....	.....
Sewers	15,450.00	5,333.87	.....	.....
Sidewalks	4,000.00	.....	191,980.00	.....

Assessments and Taxes.

Paving	52,831.28	.....	.....	.....
Sewers	7,234.47
Sidewalks	556.78	60,622.53

Miscellaneous.

Paving	19.95	19.95
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Total Receipts.

Paving	260,184.88	41,096.13	301,281.01
Sewers	26,201.57	5,333.87	31,535.44
Sidewalks	8,156.78	.....	8,156.78	340,973.23
Total Receipts and Bal....	.....	.....	.....	\$348,833.04

EXPENDITURES

Contractor

Paving	\$ 84,141.71	\$ 24,756.48	\$	\$
Sewers	4,392.91	4,012.55	.....	.....
Sidewalks	3,650.77	.....	120,954.42	.....

Inspector.

Paving	428.32	120.08	.....	.....
Sewers	146.33	252.75	947.48	.....

SUMMARY OF SPECIAL ASSESSMENT FUNDS.

Loans.				
Paving	132,339.60	.....	.....	.....
Sewers	16,648.15	.....	.....	.....
Sidewalks	2,900.00	.....	151,887.75	.....
Interest.				
Paving	8,954.72	.....	.....	.....
Sewers	942.86	.....	.....	.....
Sidewalks	258.57	.....	10,156.15	.....
Advertising.				
Paving	1,310.10	.....	.....	.....
Sewers	416.50	.....	.....	.....
Sidewalks	285.85	.....	2,012.45	.....
Miscellaneous.				
Paving	227.18	379.55	.....	.....
Sewers .....	.....	5.40	612.13	.....
Transferred to Sinking Fund.				
Paving	30,780.22	2,557.63	.....	.....
Sewers	5,056.49	2,296.66	.....	.....
Sidewalks	1,084.39	.....	41,775.39	.....
Total Expenditures.				
Paving	\$258,181.85	\$ 27,813.74	\$285,995.59	.....
Sewers	27,603.24	6,567.36	34,170.60	.....
Sidewalks	8,179.58	.....	8,179.58	328,345.77
Balance December 31, 1916.				
Paving	1,562.68	16,905.15	18,467.83	.....
Sewers	835.63*	2,853.60	2,017.97	.....
Sidewalks	1.47	.....	1.47	.....
Total	\$ 728.52	\$ 19,758.75	\$	\$ 20,487.27
Balance in Special Assessment Funds, Dec. 31, 1916.....				\$ 20,487.27

* Overdraft.

RECAPITULATION.

FUNDS.	Total Receipts During Year 1916, Including Balance January 1st, 1916	Total Expenditures During Year 1916.....	Balance December 31, 1916
Municipal Levy Funds—			
General	\$ 37,077.21	\$ 20,094.67	\$ 16,982.54
Public Safety	62,985.53	62,931.10	54.43
Public Health	4,636.46	4,218.28	418.18
Public Service	39,964.03	38,891.42	1,072.61
Hospital	1,696.53	1,696.53	.00
Library	1,667.14	1,333.00	334.14
Self-Maintaining Funds—			
Water Works	63,181.33	46,815.57	16,365.76
Cemetery	27,759.39	13,877.38	13,882.01
Trust Funds—			
Cemetery Endowment	1,580.00	1,580.00	.00
Permanent Care	555.55	540.22	15.33
Contractors' Deposit	194.00	104.00	90.00
Water Deposits	10.00	.00	10.00
Bond Funds—General Assessments—			
Water Works Construction	168.20	.00	168.20
Safety Dept. Motor Trucks	5,117.50	5,117.50	.00
Elimination Grade Crossings	240,000.00	.00	240,000.00
Electric Light Improvement	30,062.50	19,806.53	10,255.97
Bond Funds—Special Assessments—			
Street Improvements	348,833.04	328,345.77	20,487.27
Temporary Accounts—			
Auditor's Account Sinking Fund.	49,222.34	49,222.34	.00
Grand Totals	\$914,710.75	\$594,574.31	\$320,136.44

CONSOLIDATED STATEMENTS.

	Receipts	Expenditures
Ordinary, (Operation and Maintenance).....	\$257,853.31	\$199,955.63
Extraordinary, (Construction, etc.)	402,334.07	402,955.54
Total Actual Transactions of the Year, Omit- ting Duplications	\$660,187.38	\$602,911.17

(Ordinary includes the income of the City from taxation and ordinary sources; and the expenditures of the City for running expenses, viz.: for operation and maintenance. Extraordinary includes the income of the City from sales of bonds, sales of City property and other extraordinary sources; and the expenditures for payment of debt, the purchase of lands, the original construction of permanent improvements, and such expenditures as result in FIXED ASSETS to the City.)

Balance January 1, 1916—

General City Funds	\$282,892.37	
Sinking Funds	35,733.69	\$318,626.06
Actual Receipts of the Year	\$660,187.38	
Actual Expenditures of the Year	\$602,911.17	
Excess of Receipts for the Year		\$ 57,276.21
Balance December 31, 1916, including Sink- ing Funds		\$375,902.27
Sinking Funds December 31, 1916		55,881.16
Balance General City Funds December 31, 1916		\$320,021.11

Actual Financial Result of the City for the Year 1916.

Ordinary Receipts, as above, from taxation and other sources, not including money borrowed.....	\$257,853.31
Ordinary Expenditures, as above, for operation and maintenance (running expenses)	199,955.63
Excess of Ordinary Receipts for the year	\$ 57,897.68

Salaries and Wages.

(All compensation paid to City Officers, Employes and Laborers, during 1916.)

Water Works	\$ 12,731.17
Electric Light	6,687.83
General City (all other)	88,776.44
Total Salaries and Wages	\$108,195.49

STATEMENT OF ASSETS AND LIABILITIES.

AVAILABLE ASSETS.

Current Assets—	
Cash in Treasury for General Purposes	\$299,533.84
Real Property Taxes (Delinquent former years)	10,170.14
Contingent Assets—	
Personal Property Taxes (Delinquent former years)....	6,749.72
Sinking Funds—	
Cash in Treasury	54,458.69
Securities (Investments in Municipal Bonds)	29,681.27
Special Assessment Funds—	
Cash in City Treasury for construction of special im- provements for which assessments will be made.....	20,487.27
Cash in Depository of Sinking Fund Trustees.....	1,422.47
Special Assessments delinquent former years.....	12,937.44
Special Assessment Installments not yet due.....	322,947.16
Trust Funds—	
Cash in City Treasury	115.33
Securities (Investments in Municipal Bonds and Bank Certificates of Deposit)	11,915.42
Total Available Assets	\$770,418.75

FIXED ASSETS.

	Lands	Buildings	Equipment	Total Valuation
Water Works.....	\$ 13,462.00	\$ 37,310.00	\$498,634.00	\$ 549,406.00
Electric Light.....	2,500.00	5,000.00	35,000.00	42,500.00
City Scales.....	.....	.....	150.00	150.00
Parks	10,000.00	.....	.....	10,000.00
Police Department ..	15,000.00	15,000.00	2,000.00	32,000.00
Fire Department....	5,000.00	25,000.00	25,000.00	55,000.00
Public Buildings....	53,000.00	12,000.00	2,000.00	67,000.00
Street Pavements....	.....	.....	.....	362,338.00
Sewers .....	.....	.....	.....	143,675.00
Sidewalks .....	.....	.....	.....	6,650.00
Cemeteries	40,000.00	8,000.00	2,000.00	50,000.00
Total	\$138,962.00	\$102,310.00	\$564,784.00	\$1,319,219.00
Total Available Assets .....	.....	.....	.....	\$ 770,418.75
Total Fixed Assets .....	.....	.....	.....	1,319,219.00
Grand Total of Assets .....	.....	.....	.....	\$2,089,637.75

STATEMENT OF ASSETS AND LIABILITIES.

LIABILITIES.

Current Liabilities—

Floating Debts—temporary tax loans unpaid.....	\$	7,000.00
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Bonded Debt—

For General Purposes	932,120.74
Special Assessment Bonds	264,012.35
Temporary Loans	80,723.90
Estimated cost of improvements for which bonds have been issued but contracts have not been awarded....	14,706.35
Trust Accounts—(Same as Assets)	12,030.75
Total Liabilities	\$1,310,594.09

MEMORANDA.

Grand Total of all Assets	\$2,089,637.75	
Grand Total of all Liabilities		\$1,310,594.09
General Surplus'		\$ 779,043.66
Total	\$2,089,637.75	\$2,089,637.75

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EXPLANATION.

The following explanation is made of terms used in the statements following. A clear understanding of the meaning of the terms used will make the statements more valuable.

It will be observed that Receipts and Expenditures are classified as "Ordinary" and "Extraordinary," and a further arrangement as to Departments.

The term "Extraordinary" is meant to include all cash transactions of three different classes, viz.:

- 1—Debt (not including interest.)
- 2—Construction of new improvements.
- 3—Purchase and sale of property.

All other transactions are "Ordinary."

General Government—Includes the following Departments: Mayor, Auditor, Treasurer, Solicitor; Trustees of the Sinking Fund, Board of Elections, Civil Service Commissioners, Legal Advertising and Miscellaneous.

Protection of Life, Health and Property—Includes the following Departments: Police, Fire, Board of Health, Sealer of Weights and Measures.

Public Service—Includes the following:

Public Ways—Engineering, Street Repairing, Street Cleaning, Street Paving, Street Sprinkling, Sewers, Garbage Disposal, etc.

Public Industries—Municipal Water Works and Electric Light Plant.

Public Parks, Public Buildings, Public Cemeteries, etc.

Public Interest—Receipt of Interest and Payments of Interest.

Public Taxation—Includes all receipts from both Direct and Indirect Taxation.

Public Indebtedness—Includes receipts from sales of bonds, temporary tax loans, and payment of same when they mature.

Unclassified—Includes miscellaneous items not classified above.

COMPARATIVE STATEMENT OF ORDINARY RECEIPTS

	1911	1912	1913	1914	1915	1916
General Government	\$ 3,606.15	\$ 2,758.60	\$ 2,141.00	\$ 1,770.99	\$ 1,413.50	\$ 1,607.40
Protection of Life, Health and Property	372.43	394.20	89.40	100.10	.....	590.21
Public Service	52,781.21	50,152.61	53,065.87	57,286.84	55,733.18	59,110.09
Public Interest	2,216.65	2,378.17	3,267.54	3,844.97	6,520.66	9,763.95
Public Taxation	156,027.11	180,427.09	167,593.98	155,279.19	182,363.28	186,759.58
Unclassified .....	.....	.....	7.87	906.25	11.56	22.08
Total	\$215,003.55	\$ 236,110.67	\$226,165.66	\$219,188.34	\$246,042.18	\$257,853.31

COMPARATIVE STATEMENT OF EXTRAORDINARY RECEIPTS

Public Service	\$	\$ 245.22	\$ 878.00	\$	\$ 3,325.47	\$ 5,454.52
Public Indebtedness	142,158.92	18,972.72	113,164.16	120,122.22	410,323.62	333,933.03
Special Assessments	27,140.66	23,804.12	21,443.91	36,282.00	52,574.02	60,642.48
Sinking Fund Investments	500.00	10,500.00	1,500.00	10,060.02	1,550.00	2,304.04
Unclassified	49.47	.....	.....	.....	8.00	.....
Total	\$169,849.05	\$ 53,522.06	\$136,986.07	\$166,464.24	\$467,781.11	\$402,334.07

COMPARATIVE STATEMENT OF ORDINARY EXPENDITURES ..

	1911	1912	1913	1914	1915	1916
General Government	\$ 18,488.89	\$ 20,001.27	\$ 19,171.68	\$ 17,137.16	\$ 20,980.93	\$ 18,980.54
Protection of Life, Health and Property	46,554.12	56,092.53	59,741.92	63,397.79	59,847.58	53,665.87
Public Service	47,634.27	45,944.07	59,203.27	68,007.55	77,122.26	61,990.81
Public Interest	46,470.77	39,351.21	39,695.33	39,160.83	46,392.89	60,481.35
Pension to Firemen and Policemen .....	.....	.....	256.45	1,179.04	729.40	891.42
Public Hospital	2,127.42	2,108.65	1,927.66	2,168.70	1,730.51	1,696.53
Public Library	890.00	666.50	1,320.95	1,400.00	1,461.00	1,333.00
Humane Officer's Salary .....	.....	220.00	240.00	240.00	240.00	240.00
Unclassified .....	.....	.....	.....	156.67	1,057.32	676.11
Total	\$162,165.47	\$164,384.23	\$181,557.26	\$192,847.74	\$209,561.89	\$199,955.63

COMPARATIVE STATEMENT OF EXTRAORDINARY EXPENDITURES

General Government	\$ 1,136.85	\$ 250.40	\$ 2,923.00	\$ 272.37	\$ 978.84	\$
Protection of Life, Health and Property					11,888.70	4,995.00
Public Service	81,756.72	21,951.71	121,649.93	106,025.09	95,754.89	162,718.75
Public Indebtedness	124,650.00	38,960.00	70,223.19	96,773.02	135,560.35	222,811.79
Sinking Fund Investments	10,000.00	7,400.00	3,864.06	10,916.27	8,935.00	12,430.00
Total	\$217,543.57	\$ 98,562.11	\$198,660.18	\$213,986.75	\$253,117.78	\$402,955.54

COMPARATIVE STATEMENT OF BONDED INDEBTEDNESS

	Dec. 31, '11	Dec. 31, '12	Dec. 31, '13	Dec. 31, '14	Dec. 31, '15	Dec. 31, '16
GENERAL.						
Refunding	\$ 80,657.00	\$ 73,657.00	\$ 70,657.00	\$ 61,657.00	\$ 53,657.00	\$ 45,657.00
Electric Light	40,000.00	35,500.00	30,000.00	25,000.00	24,000.00	53,000.00
Water Works	540,000.00	520,000.00	500,000.00	477,000.00	445,000.00	425,000.00
City's Portion	47,515.48	45,515.48	63,403.63	88,902.12	97,879.74	138,309.74
Miscellaneous	19,985.00	31,929.00	27,190.06	21,008.04	29,458.04	30,154.04
Subway					240,000.00	240,000.00
Total General	\$ 728,157.48	\$ 706,601.48	\$ 691,250.69	\$ 673,567.16	\$ 889,994.78	\$ 932,120.74
SPECIAL ASSESSMENTS.						
Paving	\$ 155,300.35	\$ 129,136.95	\$ 107,270.35	\$ 89,492.35	\$ 117,962.35	\$ 222,312.35
Sewers	14,283.34	9,696.74	4,355.00	2,885.00	18,620.00	37,700.00
Sidewalks	1,720.00	1,720.00	1,720.00	880.00		4,000.00
Total Special Assessments	\$ 171,303.69	\$ 140,553.69	\$ 113,345.35	\$ 93,257.35	\$ 136,582.35	\$ 264,012.35
Grand Total	\$ 899,461.17	\$ 847,155.17	\$ 804,596.04	\$ 766,824.51	\$1,026,577.13	\$1,196,133.09

STATEMENT SHOWING BONDS SOLD AND BONDS MATURING

GENERAL—	1911		1912		1913	
	Sold	Matured	Sold	Matured	Sold	Matured
Water Works and Electric Light	\$ 60,000.00	.....	.....	.....	.....	.....
South Sixth Open. and North and Granv. Sewer .....	.....	.....	16,654.00	.....	.....	.....
Miscellaneous .....	.....	.....	.....	.....	4,864.06	.....
City's Portion .....	.....	.....	.....	.....	.....	.....
Grade Crossing .....	.....	.....	.....	.....	.....	.....
Total	\$ 60,000.00	\$ 13,445.00	\$ 16,654.00	\$ 38,210.00	\$ 4,864.06	\$ 20,214.85
SPECIAL ASSESSMENTS—						
Paving	\$ 57,675.00	.....	.....	.....	.....	.....
Sewers	\$ 4,855.00	.....	.....	.....	.....	.....
Sidewalks	880.00	.....	.....	.....	.....	.....
Total	\$ 63,410.00	\$ 59,185.00	.....	\$ 30,750.00	.....	\$ 27,208.34
Grand Total	\$123,410.00	\$ 72,630.00	\$ 16,654.00	\$ 68,960.00	\$ 4,864.06	\$ 47,423.19

GENERAL—	1914		1915		1916	
	Sold	Matured	Sold	Matured	Sold	Matured
Water Works and Electric Light .....	\$.....	.....	.....	.....	\$ 30,000.00	\$.....
South Sixth Open. and North and Granv. Sewer .....	.....	.....	.....	.....	.....	.....
Miscellaneous .....	.....	.....	.....	.....	5,000.00	.....
City's Portion	31,498.49	.....	14,977.62	.....	46,430.00	.....
Grade Crossing .....	.....	.....	240,000.00	.....	.....	.....
Total	\$ 31,498.49	\$ 49,182.02	\$254,977.62	\$ 38,550.00	\$ 81,430.00	\$ 39,304.04
SPECIAL ASSESSMENTS—						
Paving .....	\$.....	.....	\$ 40,350.00	.....	\$126,100.00	\$.....
Sewers .....	.....	.....	18,620.00	.....	19,700.00	.....
Sidewalks .....	.....	.....	.....	.....	4,000.00	.....
Total	\$.....	\$ 20,088.00	\$ 58,970.00	\$ 15,645.00	\$149,800.00	\$ 22,370.00
Grand Total	\$ 31,498.49	\$ 69,270.02	\$313,947.62	\$ 54,195.00	\$231,230.00	\$ 61,674.04

THE FOLLOWING STATEMENT SHOWS MATURITIES OF ALL BONDS OUTSTANDING DECEMBER 31, 1916.

Year.	4's	4½'s	4¾'s	5's	Total each Year	Interest on Same	Total Bonds and Interest
1917	\$ 2,500.00	\$ 22,000.00	\$	\$ 46,750.00	\$ 71,250.00	\$ 56,298.75	\$ 127,548.75
1918	2,000.00	38,958.63	10,000.00	36,937.35	87,895.98	52,951.26	140,847.24
1919	1,000.00	44,000.00	10,000.00	33,862.22	88,862.22	48,796.26	137,658.48
1920	1,000.00	43,500.00	10,000.00	34,100.00	88,600.00	44,608.15	133,208.15
1921		43,300.00	10,000.00	35,416.27	88,716.27	40,430.65	129,146.92
1922		46,500.00	10,000.00	36,604.00	93,104.00	35,886.32	128,990.32
1923		51,820.00	10,000.00	32,007.00	93,827.00	31,838.63	125,665.63
1924		53,000.00	10,000.00	32,577.62	95,577.62	27,431.38	123,009.00
1925		52,000.00	10,000.00	36,350.00	98,350.00	22,942.50	121,292.50
1926		36,000.00	10,000.00	32,500.00	78,500.00	18,310.00	96,810.00
1927		20,500.00	10,000.00	27,900.00	58,400.00	14,590.00	72,990.00
1928		21,000.00	10,000.00	4,050.00	35,050.00	11,797.50	46,847.50
1929		20,000.00	10,000.00	3,000.00	33,000.00	10,175.00	43,175.00
1930		20,000.00	10,000.00		30,000.00	8,650.00	38,650.00
1931		20,000.00	10,000.00		30,000.00	7,275.00	37,275.00
1932		20,000.00	10,000.00	5,000.00	35,000.00	5,900.00	40,900.00
1933			10,000.00		10,000.00	4,275.00	14,275.00
1934			10,000.00		10,000.00	3,800.00	13,800.00
1935			10,000.00		10,000.00	3,325.00	13,325.00
1936			10,000.00		10,000.00	2,850.00	12,850.00
1937			10,000.00		10,000.00	2,375.00	12,375.00
1938			10,000.00		10,000.00	1,900.00	11,900.00
1939			10,000.00		10,000.00	1,425.00	11,425.00
1940			10,000.00		10,000.00	950.00	10,950.00
1941			10,000.00		10,000.00	475.00	10,475.00
Total	\$ 6,500.00	\$552,578.63	\$240,000.00	\$397,054.46	\$1,196,133.09	\$459,256.41	\$1,655,389.50

TAXATION.

The following statement shows a distribution of taxes for 1916 and 1917. A careful perusal of this statement will answer the question often asked: "What becomes of the money we pay for taxes?" The total valuation of all property for taxation purposes for the year 1916 was \$29,895,130. For the year 1917 the total valuation is \$28,878,010, of which \$19,636,430 is Real and \$9,241,580 is Personal Property. The total levy as fixed by the Budget Commission for the year 1916 was 13.60 mills and for 1917, 15 mills; or \$13.60 and \$15.00 per \$1000 valuation respectively. The statement referred to follows:

	Levy in Mills for	Levy in Mills for	Amount	Amount
	1916	1917	1916	1917
For State Purposes.				
Sinking Fund .....	.0025	.0025	\$ 74.74	\$ 72.20
University .....	.0925	.0925	2,765.30	2,671.22
School .....	.0550	.0550	1,644.23	1,538.29
Highway .....	.3000	.3000	8,968.54	8,663.40
Total State Levy....	.4500	.4500	\$ 13,452.81	\$ 12,995.11
For County Purposes.				
Sinking Fund .....	.4000	.6000	11,958.05	17,326.81
County Fund .....	.7500	.7500	22,421.35	21,658.51
Infirmity Fund .....	.0500	.0500	1,494.75	1,443.90
Children's Home .....	.0850	.0850	2,541.09	2,454.63
Bridge and Road .....	.2500	.2500	7,473.78	7,219.50
Soldiers' Relief .....	.0250	.0300	747.38	866.34
Blind Relief .....	.0700	.0700	2,092.66	2,021.46
County Pike .....	.9650	.7650	28,848.80	22,091.68
Judicial .....	.1500	.1500	4,484.27	4,331.70
State Road .....	.2000	.2000	5,979.03	5,775.60
Special Road .....	.0150	.0150	448.43	433.17
Mothers' Pension .....	.0250	.0200	747.38	577.56
Agricultural Society .....	.0150	.0150	448.42	433.17
Pike Maintenance .....	.2500	.2500	7,473.78	7,219.50
Total County Levy ..	3.2500	3.2500	\$ 97,159.17	\$ 93,853.53
For School Purposes.				
Sinking Fund	1.0500	1.0500	31,389.89	30,321.91
Tuition Fund	2.5000	2.8500	74,737.82	82,302.33
Maintenance .....	.9000	.9000	26,905.62	25,990.21
Total School Levy...	4.4500	4.8000	\$133,033.33	\$138,614.45
For City Purposes.				
Sinking Fund	2.7500	2.6500	82,211.61	76,526.72
General Fund .....	.1500	.1600	4,484.27	4,620.48
Public Safety Fund....	1.2500	1.7000	37,368.91	49,092.62
Public Health Fund....	.1000	.1500	2,989.51	4,331.70
Public Service Fund....	1.1000	1.5600	32,884.64	45,049.70
Public Library .....	.0400	.0700	1,195.81	2,021.46
Public Hospital Fund....	.0600	.0600	1,793.71	1,732.68
Township Fund .....	.0000	.1500	.....	4,331.70
Total City Levy....	5.4500	6.5000	\$162,928.46	\$187,707.06
Grand Total Levy for all Purposes	13.60	15.00	\$406,573.77	\$433,170.15

A distribution of each \$1.00 received from tax collections for 1916 and 1917 is as follows:

	1916	1917
For State Purposes	3.308 cents	3.000 cents
For County Purposes	23.897 cents	21.667 cents
For School Purposes	32.721 cents	32.000 cents
For City Purposes	40.074 cents	43.333 cents
Total	100.000 cents	100.000 cents

The following statement will show the distribution that will be made of the above amounts for the year 1917:

	For Sinking Fund	For General Purposes	Total
The State will receive .....	.700 cents	2.300 cents	3.000 cents
The County will receive ...	4.000 cents	17.667 cents	21.667 cents
The Schools will receive...	7.000 cents	25.000 cents	32.000 cents
The City will receive	17.666 cents	25.667 cents	43.333 cents
Total	29.366 cents	70.634 cents	100.000 cents

The following statement will show the distribution that will be made of the 25.667 cents received by the City for General Purposes:

General Fund	1.067 cents
Public Safety Fund.....	11.333 cents
Public Health Fund.....	1.000 cents
Public Service Fund.....	10.400 cents
Hospital Fund .....	.400 cents
Library Fund .....	.467 cents
Township	1.000 cents
Total	25.667 cents

A COMPARISON OF TAX VALUATIONS AND LEVIES.

	1911	1912	1913
Valuations	\$25,964,150	\$27,757,120	\$27,940,055
	1914	1915	1916
	\$30,170,270	\$29,895,130	\$28,878,010

A COMPARISON OF TAX VALUATIONS AND LEVIES.

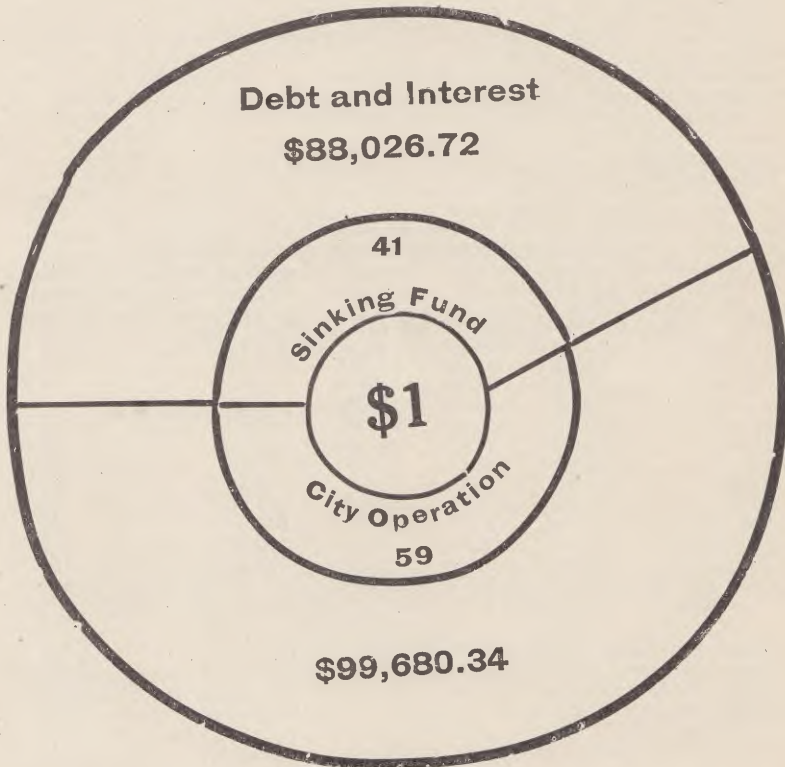
Levies in Mills:	1911	1912	1913	1914	1915	1916
General .....	.50	.00	.00	.30	.15	.16
Safety	1.64	1.00	1.30	1.18	1.25	1.70
Health .....	.05	.11	.12	.10	.10	.15
Service	1.40	1.37	.58	1.16	1.10	1.56
Library .....	.025	.04	.05	.05	.04	.07
Hospital .....	.085	.07	.08	.06	.06	.06
Township .....	.05	.21	.20	.10	.00	.15
Total	3.75	2.80	2.33	2.95	2.70	3.85
Sinking Fund ...	2.00	2.00	2.37	2.60	2.75	2.65
Total	5.75	4.80	4.70	5.55	5.45	6.50
Total levy for State, County, School and City:	12.00	12.00	13.00	13.00	13.60	15.00

Note—The 1916 valuation and levy yield the income for expenditures in 1917.

**VALUATIONS OF REAL AND PERSONAL PROPERTY BY WARDS, CITY OF NEWARK, OHIO, FOR THE YEARS
1916 AND 1917 FOR TAXATION PURPOSES.**

Ward.	Real Property		Personal Property		Total	
	1916	1917	1916	1917	1916	1917
First	\$ 2,413,170	\$ 2,437,090	\$ 621,450	\$ 670,370	\$ 3,034,620	\$ 3,107,460
Second	5,237,530	5,274,660	1,040,860	919,280	6,278,390	6,193,940
Third	1,975,040	1,980,980	291,770	305,700	2,266,810	2,286,680
Fourth	2,578,130	2,600,490	276,920	232,160	2,855,050	2,832,650
Fifth	3,556,230	3,646,670	717,390	643,080	4,273,620	4,294,750
Sixth	3,669,380	3,696,540	7,517,260	6,465,990	11,186,640	10,162,530
Total	\$19,429,480	\$19,636,430	\$10,465,650	\$ 9,241,580	\$29,895,130	\$ 28,878,010

The circle shows how the City will divide each dollar it receives from direct taxation in 1917. It is seen that the City will pay 41 cents for debt and interest, and 59 cents for operating expenses.



Newark, Ohio, December 31, 1916.

To the Honorable Council of the City of Newark, Ohio:

I herewith submit the following, as my annual report for the year ending December 31, 1916, showing number of cases tried for all offenses during the year and an itemized statement of all funds coming into my possession, and disposition of the same:

LIST OF CASES.

Assault and Fighting	103
Burglary and Grand Larceny	30
Carrying concealed weapons	10
Destruction of property	10
Disorderly conduct	152
Gambling and Keeping Gambling Room	52
Intoxication	1069
Keeping, visiting and inmates, House of Ill-fame	72
Murder	1
Non-support	3
Operating automobile, contrary to law	32
Obtaining money or other property under false pretense	19
Petit larceny	49
Passing counterfeit or worthless checks	3
Peddling without license	2
Prowling, Begging, Loitering and Vagrancy	65
Resisting an officer	11
Train riding	96
Unlawful sale of liquor	8

Total number of cases 1787

MONTHLY STATEMENT OF COLLECTIONS.

Month	Fines and Costs		Fines State		Mayor's Fees	Witness Fees and Taxi Hire	Officer's Fees
	City Cases	Licenses	Cases	Cases	St. Cases		St Cases
January .. \$	67.00	\$ 307.00	\$ 162.00	\$ 36.70	\$	\$	18.65
February ..	283.00	87.00	114.00	46.00			23.00
March	243.00	96.50	369.00	75.55	12.30		39.15
April	76.00	126.00	105.00	50.00			25.00
May	129.00	155.00	144.00	74.00			37.00
June	118.00	25.00	101.00	76.00			38.00
July	146.00	17.00	382.00	76.00			38.00
August	107.00	43.00	185.00	100.00			50.00
September ..	238.00	112.50	257.00	104.00			52.00
October	61.00	115.50	138.75	108.00			54.00
November ..	45.00	12.00	61.00	66.00			33.00
December ..	94.00	9.00	80.00	70.00			35.00

Total..\$1,607.40 \$1,105.50 \$2,098.75 \$ 882.25 \$ 12.30 \$ 442.80

RECEIPTS.

Total Fines and Costs payable to City	\$1,607.40
Total Licenses received payable to City	1,105.50
Total Fines in State Cases	2,098.75
Total Mayor's Fees	882.25
Total Officers' Fees	442.80
Total Witness Fees and Taxicab Hire	12.30

Total Receipts \$6,149.00

DISBURSEMENTS.

Total drafted to City Treasury	\$2,712.90
Total drafted to County Treasury	2,098.75
Total drafted to Mayor for Fees	882.25
Total drafted to Chief of Police	442.80
Total drafted for Witness Fees and Taxicab Hire	12.30

Total Disbursements \$6,149.00

Respectfully submitted,

R. C. BIGBEE, Mayor.

Newark, Ohio, December 31, 1916.

I have the honor, as chief engineer, to submit my annual report of the conditions and operations of the fire department of this city, for the year 1916.

Of the total number of alarms during the year, 139, there were 43 alarms against which no loss was charged. These were needless alarms, fire scares and small fires which were quickly extinguished. In addition to these, nine alarms were false.

The total loss and number of alarms in comparison with those of the year preceding are as follows:

	Alarms	Losses
1915	97	\$ 5,621
1916	139	\$15,029

While the total loss is in excess of that of 1915, it is not unreasonable when consideration is given the increased number of fires handled. The loss on one of the above fires, on June 10, at the Burke Golf Shaft Company, totaled more than \$8,000. This makes the balance of fires average a very small loss per fire.

The investigation of every fire and the keeping of more detailed records lend an additional value to the statements incorporated in this report.

MOTOR FIRE TRUCKS.

Since my last report another motor-driven truck has been added to the fire fighting equipment of the city. It was placed in service on the East Side, November 14, 1916. This type of truck is especially designed and thoroughly tested by one of the better known manufacturers of standard fire apparatus to withstand the severest trials that fire trucks have to undergo. A comparison of its cost of maintenance, after one year of service, with that of horse-drawn trucks should prove interesting. The above truck, in addition to those in Central Station, places the horse-drawn trucks in the minority, the ratio being: Motor-driven, 60 per cent; horse-drawn, 40 per cent.

FIRE ALARMS.

Over 70 per cent were received by telephone.

By Telephone	101
By Box	15
By Persons	18
By Sprinkler System	3
By A. D. T. Co.	2

Total Alarms139

Of these 34 were still alarms. The latter were attended to by members of the department, without calling for any service on the part of the telegraph system.

IN FRAME BUILDINGS, 90 PER CENT.

Fires in frame buildings	65
Fires in brick buildings	8
Fires other than buildings	57
False alarms	9
Fires confined to floors	39
Fires confined to place of origin	128
Extended to adjoining buildings	8

The department used 417 gallons of chemical solution on 16 fires; 61 hose lines were laid, their use being restricted to 44 fires. Hose laid aggregated 24,700 feet. Pyrene was used on two fires and three were cared for by automatic sprinkler. Ladders totalling 636 feet were used. Four alarms were responded to beyond the corporate limits of the city. These runs were to Bolin avenue, east of city; Granville road, west of Sixteenth street; Wells addition, west of Moundbuilders park, and a trip to Jacksontown. It is well to state that our trucks have no facilities for pumping water. We are, therefore, quite helpless when called to aid towns which have no fire hydrants.

FIRE LOSSES.

Total value property involved, building and contents.....	\$103,695.00
Total amount insurance on buildings and contents	64,089.00
Total loss on buildings and contents	15,929.04
Total insurance loss, buildings and contents	11,946.94

In the following table is shown the number of fires from each cause and the loss from each group:

Alarms.	Causes.	Losses
2	Auto backfiring	\$ 20.00
21	Burning rubbish	36.00
1	Careless use of candle	144.34
12	Careless use of matches	559.20
11	Children and matches	562.00
2	Cigar stump	7.40
2	Clothing too near stove	80.00
1	Curtain blew against gas light	2.00
5	Defective chimney	375.00
1	Defective furnace	250.00
9	False	
1	Gasoline leak—motorcycle	1.00
6	Spontaneous	15.00
2	Spark from smokestack	35.00
3	Spark from chimney	967.10
1	Spark from stove	500.00
1	Supposed incendiary	600.00
1	Tire vulcanizer	100.00
13	Unknown	10,645.00
1	Wood too near furnace	130.00
43	Where loss did not result	

Number of alarms and losses given by months:

Month	Alarms	Losses
January	19	\$1,093.40
February	11	759.10
March	11	773.21
April	11	1,183.00
May	12	341.08
June	8	9,090.50
July	11	569.05
August	10	395.70
September	13	105.00
October	19	398.00
November	11	65.00
December	3	255.00

FIRES BY WARDS.

Division of fires by wards show that the Second ward had the greatest number of alarms, while the Sixth ward had the greatest losses:

Wards	Alarms	Losses
First	18	\$ 596.00
Second	43	1,934.34
Third	15	1,357.08
Fourth	13	515.50
Fifth	18	1,748.70
Sixth	28	8,876.92

In conclusion, I desire to express my sincere appreciation to the city officials and members of the fire department for their hearty co-operation which have enabled me the better to perform the duties of

my office.

Respectfully submitted,

LOUIS BAUSCH, Chief Engineer.

The following is a summary of the report of the City Engineer to the City Council for the year ending December 31, 1916:

SUMMARY AND COMPARISON.

	1910	1911	1912	1913	1914	1915	1916
Street Paving in miles.....	0.852	0.000	0.000	2.489	1,990	3.048	2.589
Sewers in miles	0.508	0.079	0.000	4.253	3.067	1.444	0.963
Sidewalks in miles	0.500	2.618	5.000	2.020	2.351	2.955	1.000
Water Mains in miles	5.353	1.976	0.338	1.557	0.822	0.640	0.000
Number of Fire Hydrants....	41	14	3	18	7	7	3

Total length of Paved Streets to date	24.510 miles
Total length of Sewers to date	27.975 miles
Total length of Sidewalks to date	48.207 miles
Total length of Water Mains to date.....	79.859 miles
Number of Fire Hydrants	741

APPROXIMATE COST OF WORK SUPERVISED.

Street Paving	\$102,860.30
Sewers	9,137.42
Sidewalks	3,188.23
Total	\$115,185.95

The above does not include waterworks construction, which receives very little supervision from this sub-department.

Cost of operating the Engineering Department for the year 1916	\$ 3,237.44
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Which is approximately 2.8 per cent of the cost of the work supervised.

Respectfully submitted,

C. H. WELLS, City Engineer.

Newark prides itself in the fact, that taking into consideration its size, no city excels it in fire fighting ability of its water works, is supplied by large mains well distributed at hazardous points. Underwriters' statements are to this effect. One of the leading water works journals, the Fire and Water Engineering of New York, last year compiled the statistics of 1300 water plants in the United States. This report shows that Newark has one of the lowest cost of maintenance, even of larger-sized cities, of its water system.

The pumping station is situated on Horn's Hill Road, about one mile north of the city limits. The station is thoroughly modern and is equipped with three boilers of 700 h. p. capacity, two 5-million-gallon Platt pumping engines, and one low pressure 5-million-gallon centrifugal Worthington pump. The total Power Station cost represents an outlay of \$98,318.49.

Situated on the hills to the east of the creek is located the three-and-one-half-million-gallon Reservoir, at an elevation of 268 feet, affording a pressure as recorded on the office guage of 110 lbs. This is the standing pressure in the heart of the city, two and one-half miles from the source. The system is what is known as both direct and gravity.

The distribution system contains the following number feet of pipe:

165 feet of 24-inch pipe.
38647 feet of 16-inch pipe
38000 feet of 12-inch pipe
24092 feet of 10-inch pipe
42109 feet of 8-inch pipe
269412 feet of 6-inch pipe
10158 feet of 4-inch pipe

Has 885 gate valves and 741 two and three-nozzle fire hydrants.

The cost of the system complete, including the purchase price of the Newark Water Plant, has been \$600,563.52. Depreciation is taken into calculation in the reports, there being charged off the sum of \$50,783.85 in the past six years.

It is gratifying to know that the water works is annually gaining in the volume of business transacted. A comparison is here given to show its increase, being based on the amount of Cash Receipts, and it is as follows:

1911.....	\$41,689.79
1912.....	39,202.65
1913.....	42,334.31
1914.....	44,758.92
1915.....	47,416.35
1916.....	50,940.57

The annual cost of operation is also given to show a comparison of results. In September, 1915, the eight-hour system was placed in operation, and consequently it required three shifts plus the relief, whereas formerly two shifts operated the entire plant. The labor in the office increased with the added business, necessitating one more clerk, and the salary of the others were increased. The tabulation shows in first column, the operation charges, the second the amount expended on maintaining the plant.

1911.....	\$10,226.30	\$1,310.49
1912.....	10,297.44	2,693.48
1913.....	12,179.61	1,979.12
1914.....	12,640.80	2,954.16
1915.....	12,220.19	1,995.95
1916.....	12,726.75	3,537.02

The demand for additional mains and services on streets not provided with water service, also the policy of placing services to every lot on streets that are to be paved, has prevented the department from transferring to the Sinking Fund Trustees all of the interest required to meet coupons falling due. Nothing preventing the year 1917 is expected to turn over the full amount of interest. The amounts paid over to the trustees is as follows:

1911.....	\$13,000.00
1912.....	7,000.00
1913.....	30,000.00
1914.....	10,000.00
1915.....	15,000.00
1916.....	15,000.00
Total	\$90,000.00

The expense and Plant Revenue for the year 1916 is given to show the net results of ownership of the water works.

Plant revenue (including free water)		\$ 77,392.56
Total operation cost	\$ 16,685.03	
Meters and repairs	4,297.35	
Sale of material (charged for).....	152.07	
Discounts (payment in 10 days)	3,355.71	
Refunds and rebates	520.12	
Interest on debt	19,912.50	
Depreciation, 2 per cent	7,786.36	
Loss of Taxes (80 per cent value).....	5,966.86	
Net gain on ownership	18,716.56	
Total	\$ 77,392.56	\$ 77,392.56

Legal free water consists of Fire Hydrants, City Building, Fire and Police Stations, Prison, City Barns and City Hospital.

Respectfully submitted,

W. C. CHRISTIAN,
Director of Public Service.

Mortality According to Abridged International List of Causes.	Jan.	Feb.	Mch.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	1916 Total	1915 Total
Total deaths, all causes, 1915, (12.6 per 1000 Pop.)	28	38	28	22	38	32	28	30	27	18	27	26	399	352
Total deaths, all causes, 1916, (13.4 per 1000 Pop.)	41	38	35	40	39	20	30	33	29	25	32	37	436	377
Deaths, General Diseases, Causes—														
1 Typhoid fever	..	1	..	2	2	..	..	1	..	..	2	..	† 8	1
5 Measles	..	..	..	1	..	..	..	..	..	..	..	..	1	..
6 Scarlet fever	..	..	..	1	..	..	..	..	..	..	..	1	3	..
7 Whooping cough	..	..	..	..	..	..	..	..	..	..	..	..	..	2
8 Diphtheria and croup	1	..	..	..	..	..	..	..	..	..	..	..	1	..
9 Influenza	2	2	1	2	..	..	1	..	..	..	..	..	8	4
12 Other epidemic diseases (*erysipelas)	..	..	..	..	..	..	..	..	..	*1	..	..	*1	..
13 Tuberculosis of lungs	3	3	4	5	4	2	5	2	1	3	..	1	33	36
15 Tuberculosis, others forms	..	..	..	..	..	..	..	..	..	..	1	..	1	3
16 Cancer and malignant tumors	4	2	3	3	1	2	3	2	3	2	2	3	30	14
17 Simple meningitis	..	..	..	..	..	..	..	1	..	..	..	..	1	5
18 Cerebral hemorrhage and brain softening	..	6	4	3	6	4	4	..	3	1	5	6	42	40
19 Organic disease of heart	4	1	1	5	3	3	..	..	3	..	5	3	28	30
20 Acute bronchitis	..	1	..	..	..	..	..	..	..	..	..	1	2	2
21 Chronic bronchitis	..	..	..	..	..	..	1	..	..	..	..	..	1	..
22 Pneumonia	8	..	6	2	3	1	..	..	3	2	1	4	30	25
23 Other respiratory diseases (tuberculosis excepted)	2	7	3	1	..	..	1	..	..	..	1	5	220	14
24 Diseases of stomach (cancer excepted)	1	..	..	1	..	..	2	..	..	..	..	..	4	6
25 Diarrhoea and enteritis (under two years)	..	..	..	..	..	..	2	9	5	..	..	..	16	4
26 Appendicitis and typhlitis	1	..	1	..	..	..	..	2	..	..	..	..	4	5
27 Hernia and intestinal obstruction	..	..	..	..	1	..	..	..	..	..	..	..	1	4
28 Cirrhosis of liver	..	1	1	..	..	..	..	..	..	2	..	..	4	6
29 Acute nephritis and Bright's disease	2	1	1	2	3	..	3	..	2	3	2	2	21	29
30 Non-cancerous tumors and others diseases of female genital organs	..	1	1	1	..	..	..	..	..	..	..	..	3	1
31 Puerperal septicaemia	..	..	..	..	..	..	..	1	..	..	..	..	1	..
32 Other puerperal diseases	..	1	..	..	..	..	..	..	..	..	..	..	1	..
33 Congenital debility and malformations	4	1	1	3	6	..	2	3	1	1	3	2	28	28
34 Senility	1	2	1	..	..	1	..	..	..	..	1	2	8	9
36 Suicide	..	..	1	..	..	2	..	1	..	2	..	..	6	6
35 Violent deaths, not suicide	2	6	1	1	2	2	3	2	3	1	4	1	28	21
37 All other causes	6	2	5	7	8	3	3	9	5	7	4	6	†65	57
*Total (of residentaries) deaths	41	38	35	40	39	20	30	33	29	25	32	37	399	352
Still-born	2	3	1	..	2	..	..	2	3	..	2	2	17	12
Non-residents	4	..	1	..	1	..	..	5	2	1	2	4	20	13
Grand total	47	41	37	40	42	20	30	40	34	26	36	43	436	377

DEATHS IN THE CITY OF NEWARK.

Age.	
Under 1 year.....	54
From 1 to 2 years.....	8
From 2 to 5 years.....	9
<hr/>	
Total under 5 years.....	71
From 5 to 10 years.....	4
From 10 to 15 years.....	7
From 15 to 25 years.....	22
From 25 to 35 years.....	28
From 35 to 45 years.....	30
From 45 to 55 years.....	43
From 55 to 65 years.....	55
From 65 to 75 years.....	73
From 75 to 85 years.....	49
From 85 to 95 years.....	16
From 95 to 100 years.....	1
Over 100 years.....	1
<hr/>	
Total	399

Under Five Years of Age.

Under One Week	One to 2 Weeks	2 Wks. to 6 Mos.	6 Mos. to 1 Year	1 Yr. to 2 Years	2 to 5 Years	
26	5	16	7	8	9	
					40	
					71	
Congenital				29	.....
Enteritis, etc.				16	.....
Miscellaneous				21	.....
Accidental				5	.....
Total					71	71

REPORT OF BIRTHS, 1915-1916, CITY OF NEWARK.

	Jan.	Feb.	Mch.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Rate Per 1000 Pop.
1915	40	33	47	36	49	42	43	41	39	36	28	37	471	15.7
1916														
Females	18	25	16	25	25	28	16	22	13	14	13	12	227	
Males	27	24	33	22	24	21	17	22	28	23	18	18	277	
Total	45	49	49	47	49	49	33	44	41	37	31	30	504	17.

REPORT OF CONTAGIOUS DISEASES, 1916.

	Jan.	Feb.	Mch.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Small pox .....	..	..	..	..	..	..	1	..	..	..	..	..	1
Diphtheria	2	..	1	..	3	1	..	..	2	..	1	1	12
Measles .....	..	5	52	255	270	39	..	..	..	..	..	..	621
Scarlet Fever	5	32	46	56	37	18	5	..	12	22	17	10	260
*Typhoid fever .....	..	..	..	..	..	..	..	*2	*6	*3	..	..	*11
Total typhoid fever.....	1	1	..	10	7	2	1	3	12	18	1	2	58
Chicken Pox .....	..	..	..	..	..	..	..	..	..	22	42	2	66
Tuberculosis	3	3	4	5	4	2	5	2	1	3	1	1	34
Infantile paralysis .....	..	..	..	..	..	..	..	2	2	..	1	..	5
Total	11	41	103	326	321	62	12	7	29	65	63	17	1057

*"Imported cases," i. e., away from city for a time within one month previous to one week before illness or brought to city sick. Included in total typhoid.

DR. W. H. KNAUSS, B. Sc. M. D., Health Officer

**FINANCIAL REPORT OF BOARD OF EDUCATION OF NEWARK
CITY SCHOOL DISTRICT FOR THE YEAR ENDING
AUGUST 31, 1916.**

Receipts.

1. Balance on hand September 1, 1915.....	\$ 61,462.94
2. From State Common School Fund.....	10,370.07
3. Interest on irreducible debt.....	389.09
4. Local Tax for school purposes.....	130,855.10
5. From Tuition of non-resident pupils	5,343.10
6. From sale of old buildings.....	171.25
7. Paper sold to High School pupils.....	71.00
8. Breakage in laboratories.....	32.00
9. Supplies sold to Manual Training pupils.....	388.79
10. From High School lockers.....	80.00
11. Rental of High School auditorium.....	335.75
12. Teachers' examination fees.....	40.50
13. Refund from overcharges.....	77.11
14. Temporary loans by notes.....	47,500.00
15. Rentals from Hickey Hall.....	20.00
16. Balance from Commencement receipts.....	6.54
<hr/>	
Total from all sources, including balance.....	\$257,143.24

Expenditures—Administrative.

	Salary.	Supplies.	Total.
1. Clerk of Board of Education....	\$ 480.00	\$ 50.76	\$ 530.76
2. Treasurer of Board of Education	150.00		150.00
3. Superintendent of Buildings and Truant Officer	1,320.00		1,320.00
4. City School Examiners	75.00		75.00
5. School Enumerators	185.43		185.43
6. Clerk in Superintendent's Office	504.00		504.00
7. Clerk in High School Principal's Office	294.00		294.00
8. Supplies for Principal's and Su- perintendent's Office		109.40	109.40
<hr/>			
Total administrative, including supplies.....		\$ 3,168.59	

Expenditures for Instruction.

	Salary.	Supplies.	
9. Superintendent of Schools.....	\$ 2,916.60		\$ 2,916.60
10. High School Principal.....	2,000.00		2,000.00
11. Art Department	1,140.00	26.25	1,166.25
12. Music Department	1,190.00	79.05	1,269.05
13. Manual Training Department ...	2,178.15	663.78	2,841.93
14. Domestic Science and Art Dept..	1,577.50	369.06	1,946.56
15. High School teachers	21,187.15		21,187.15
16. Elementary School teachers ...	60,074.15		60,074.15
17. Athletics	150.00	182.00	332.00
18. Indigent books		361.38	361.38
19. Supplementary books			375.65
20. Library			108.45
21. Commencement, diplomas, etc.....			64.25
22. All other expenses of instruction, including supplies..			432.22
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Total cost of instruction, including supplies.....		\$ 95,075.64	

Operation of School Plant.

23. Salaries to janitors	\$ 9,379.17
24. Janitors' supplies	464.15
25. Natural gas for light and fuel	2,816.39
26. Coal for fuel	763.70
27. Water and meters	1,914.51
28. Light and power	797.11
29. Telephones	395.75
30. Upkeep of School Grounds	379.37
31. Repairs on fifteen school buildings.....	1,399.90
32. General repairs, repairs, including plumbing and machinery	534.71
33. General supplies	759.34
34. Insurance	465.87
35. New furniture, including pupils' desks, typewriters, etc.	1,233.45
36. Permanent improvements, sidewalks, vacuum cleaners, etc.	2,098.63
37. Printing, advertising	60.86
38. Printing, supplies	173.23
39. Playground appropriation	1,300.00
40. Miscellaneous	77.28
Total for operation of plant.....	\$ 25,013.42

Payment of Debts.

41. Redemption of bonds	\$ 15,000.00
42. Cancellation of temporary loans.....	44,000.00
43. Interest on bonds	9,603.50
44. Interest on temporary loans.....	2,609.47
Total debts and interest.....	\$ 71,212.97
Grand total of all expenditures for all purposes.....	\$194,470.62

SUMMARY.

Total receipts from all sources, including balance September 1, 1915	\$257,143.24
Total payments for all purposes.....	194,470.62
Balance on hand September 1, 1916.....	\$ 62,672.62

**PUBLIC SCHOOL STATISTICS REGARDING ATTENDANCE, ETC.,
FOR YEAR ENDING SEPTEMBER 1, 1916.**

School Houses and School Grounds.

1. Number of school buildings in use.....	15
2. Number of school rooms in use.....	129
3. Number of elementary teachers.....	100
4. Number of high school teachers.....	21
5. Number of special teachers.....	6
6. Approximate value of school houses.....	\$488,000.00
7. Approximate value of lands.....	128,000.00
8. Approximate value of school furniture.....	12,000.00
9. Approximate value of school apparatus and library....	9,000.00
10. Average annual salary of elementary teachers.....	613.00
11. Average annual salary of high school teachers.....	1,009.00
12. Average annual salary of special teachers.....	1,014.00
13. Total enrollment of boys.....	2,266
14. Total enrollment of girls.....	2,155
15. Total enrollment of high school boys.....	321
16. Total enrollment of high school girls.....	396
17. Number of boys in graduating class.....	57
18. Number of girls in graduating class.....	62
19. Total number of graduates since high school was estab- lished.....	1,654
20. Years in high school course.....	4
21. Weeks school was in session.....	38
22. Volumes in school library.....	4,212
23. Volumes of supplementary reading.....	4,500

SCHOOL OFFICERS.

Wm. E. Miller, President Board of Education.....	Term expires Jan. 1, 1918
J. M. Mitchell, Vice President.....	Term expires Jan. 1, 1920
Ben L. Montgomery, Clerk.....	Term expires Jan. 1, 1920
W. C. Christian.....	Term expires Jan. 1, 1918
S. W. Haight.....	Term expires Jan. 1, 1920
Chff Frye, Treasurer of Board.....	Term expires Jan. 1, 1918
F. G. Handel, Superintendent of Building and Truant Officer....	Term expires Sept. 1, 1917
Wilson Hawkins, Superintendent of Schools.....	Term expires Sept. 1, 1921
O. J. Barnes, Principal High School.....	Term expires July 1, 1919

ANNUAL REPORT
OF THE
Sinking Fund Trustees
OF THE
City of Newark, Ohio

For the Year Ending December 31, 1916

MEMBERS

Wm. L. Prout, President.....Term expires May 11, 1918
I. M. Phillips, Vice President.....Term expires May 19, 1919
Emmett M. Baugher—B. L. Evans.....Term expires May 10, 1920
L. Spees, Sr.,—John W. MillerTerm expires May 11, 1917

A. Nelson Dodd, Secretary.

Newark, Ohio, January 9, 1917.

To the Honorable Council of the City of Newark, Ohio:

Gentlemen—In compliance with Section No. 4511 of the General Code of the State of Ohio, we submit herewith a statement showing the receipts and expenditures of the Trustees of the Sinking Fund of the City of Newark, Ohio, for the year ending December 31, 1916; and also a statement showing the funded indebtedness of said City as of December 31, 1916.

Respectfully submitted,

WM. L. PROUT, President,

I. M. PHILLIPS,

B. L. EVANS,

J. W. MILLER,

Trustees of Sinking Fund.

Attest:

A. NELSON DODD,
Secretary .

SINKING FUND.

Receipts.

Cash balance January 1, 1916.....		\$ 35,733.69
Taxes, General Levy.....	\$ 77,757.55	
Taxes, Special Assessments.....	28,406.05	
Interest on Deposits	1,049.39	
Premium on sale of General Bonds.....	1,312.80	
Premium on sale of Special Assessment Bonds	5,039.48	
Accrued Interest on General Bonds.....	1,048.19	
Accrued Interest on Special Assessment Bonds	2,174.78	
Interest on Investments	1,255.07	
Transfers of Unexpended Balances—		
1—General Assessments	4,854.29	
2—Special Assessments	8,520.05	
Transferred from Water Works Fund.....	15,000.00	
Sale of Old Equipment from Electric Light Plant	625.00	
Matured Investments	2,304.04	
Total Receipts.....		\$149,346.69
Total Receipts and Balance.....		\$185,080.38

Expenditures.

Matured Water Works Bonds.....	\$ 20,000.00
Interest on Water Works Bonds.....	19,530.00
Other General Bonds matured.....	20,304.04
Interest on Other General Bonds.....	23,696.05
Special Assessment Bonds matured.....	22,370.00
Interest on Special Assessment Bonds.....	10,114.03
Total Bonds and Interest.....	\$116,014.12

Miscellaneous Expenditures.

Investments, par value.....	\$ 12,430.00
Final Judgments	62.50
Court Costs	5.00
Accrued Interest	180.85
Salary, Secretary	300.00
Office Expenses	171.25
Commission and Exchange.....	28.50
Transferred to Water Works Fund.....	7.00
Total	\$ 13,185.10

Total Expenditures

	\$129,199.22
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Recapitulation.

Total Receipts and Balance.....	\$185,080.38
Total Expenditures	129,199.22
Cash Balance December 31, 1916.....	\$ 55,881.16*
*General	\$ 54,458.69
Special	1,422.47

FUNDED INDEBTEDNESS
 City of Newark, Ohio, December 31, 1916.
Special Assessment Bonds

Date of Issue	Bonds Issued For	Rate of Interest.	Denomina- tion of Bonds...	Payable Date of Maturity	Amount of Bonds	Total
April	1908 East Main Street Paving	5	500.00	April	1918	\$ 229.03
April	1908 South Fifth Street Paving	5	600.00	April	1918	518.60
April	1908 High Street Paving	5	500.00	April	1917-1918	1,025.95
April	1908 Pearl Street Paving	5	450.00	April	1917-1918	1,030.88
April	1908 Locust and Clinton Streets Paving	5	1000.00	April	1917-1918	2,906.34
April	1908 Eddy Street Paving	5	350.00	April	1917-1918	769.49
April	1908 South Fourth Street Paving	5	450.00	April	1917-1918	826.93
May	1908 Union Street Paving	5	1000.00	May	1917-1918	2,581.70
April	1908 North Second Street Paving	5	400.00	April	1918	489.94
May	1908 West Church Street Paving	5	500.00	May	1917-1918	1,951.74
May	1908 North Fourth Street Paving	5	1000.00	May	1918	1,555.84
May	1908 West Main Street Paving	5	1000.00	May	1917-1918	3,465.91
September	1908 Union Street Paving (St. R. R. P.)	5	500.00	September	1918	335.00
January	1911 North Williams Street Paving	5	500.00	January	1917-1919	3,850.00
January	1911 Eighth Street Paving	5	500.00	January	1917-1919	1,350.00
January	1911 South Fourth St. Paving (Canal to Pataskala)	5	1000.00	January	1917-1919	4,550.00
January	1911 North Fourth St. Paving (North to Charles)	5	1000.00	January	1917-1919	11,950.00
January	1911 Hudson Avenue Paving (Charles to Smith)	5	500.00	January	1917-1919	3,225.00
January	1911 Ruena Vista Street Paving	5	1000.00	January	1917-1919	2,950.00
August	1911 South Pine Street Paving	5	1000.00	August	1917-1921	6,300.00
August	1911 Wilson Street Paving	5	1000.00	August	1917-1920	4,000.00
January	1915 North Eleventh Street Sewer	5	500.00	January	1920	2,000.00
January	1915 Seventh and Columbia Streets Sewer	5	500.00	January	1920	500.00
January	1915 Baker and South Third Streets Sewer	5	560.00	January	1920	2,200.00
January	1915 Wing Street Sewer	5	500.00	January	1920	2,300.00
January	1915 Buckingham Street Sewer	5	500.00	January	1920	1,200.00
January	1915 Boylston Avenue Sewer	5	1000.00	January	1921	3,500.00
January	1915 South Buena Vista Street Sewer	5	500.00	January	1921	750.00
January	1915 Tuscarawas Street Sewer	5	550.00	January	1921	550.00
January	1915 North Street Sanitary Sewer	5	250.00	January	1921	250.00
January	1915 Maholm Street Sewer	5	500.00	January	1924	2,000.00
January	1915 Un on Street Sewer	5	800.00	January	1924	800.00
January	1915 Washington Street Sewer	5	300.00	January	1924	1,200.00
January	1915 Oakwood Avenue Sewer	5	500.00	January	1924	850.00
January	1915 Maholm Street Paving	5	1000.00	January	1922	7,500.00
January	1915 North Cedar Street Paving	5	500.00	January	1924	2,500.00
January	1915 South Fifth Street Paving	5	1000.00	January	1923-1926	16,000.00
January	1915 Elmwood Avenue Paving	5	1000.00	January	1925	3,500.00
January	1915 Andover Street Paving	5	500.00	January	1925	1,850.00
January	1915 Dewey Avenue Paving	5	1000.00	January	1925	5,000.00
January	1915 Buckingham Street Paving	5	1000.00	January	1925	4,000.00
November	1915 Sidewalk Improvement	5	1000.00	November	1923	4,000.00
November	1915 Linden Avenue Paving	5	1000.00	November	1923-1927	6,500.00
November	1915 Oakwood Avenue Paving	5	1000.00	November	1922-1927	12,000.00
November	1915 South Williams Street Sewer	5	1000.00	November	1921-1924	4,250.00
November	1915 Various Street Improvements	5	1000.00	November	1921-1927	46,550.00
September	1916 Various Street Improvements	4 1/2	1000.00	September	1918-1928	76,500.00
Total Special Assessment Bonds						\$264,012.35

General Bonds

Date of Issue	Bonds Issued For	Rate of Interest	Denomination of Bonds	Payable Date of Maturity	Amount of Bonds	Total
September 1892	Refunding Electric Light	5	\$ 500.00	September 1917-1923	\$ 20,000.00	
April 1904	Refunding	4	1000.00	October 1917-1923	40,157.00	
August 1905	Refunding	4	1000.00	August 1917-1918	2,000.00	
March 1909	Refunding	4½	500.00	March 1917-1920	3,500.00	
July 1908	City's Portion (West Church St., etc.)	4½	1000.00	July 1917-1923	13,240.00	
June 1908	City's Portion (Morris St., etc.)	4½	1000.00	June 1917-1918	2,958.63	
August 1911	City's Portion (North Williams St., etc.)	5	1000.00	August 1917-1918	1,405.00	
July 1904	Water Works	4½	1000.00	July 1917-1932	270,000.00	
April 1908	Water Works	4½	1000.00	April 1918-1926	85,000.00	
January 1909	Water Works Extension	4½	1000.00	January 1917-1925	70,000.00	
April 1905	Electric Light Improvement	4	1000.00	April 1918-1920	3,000.00	
March 1916	Electric Light Plant Improvement	5	1000.00	March 1917-1926	30,000.00	
July 1906	Fire Department Construction	4	500.00	July 1917	1,500.00	
February 1912	South Sixth Street, Opening	5	1000.00	February 1917-1921	4,400.00	
October 1912	North and Granville Sewer	5	1000.00	October 1917-1922	5,254.00	
February 1912	Sixteenth Street Sewer	5	1000.00	February 1917	1,000.00	
June 1913	Sixteenth Street Sewer	5	1000.00	June 1918	1,000.00	
May 1913	City's Portion (Union, Maholm, etc.)	5	1000.00	May 1924-1927	23,800.00	
May 1914	City's Portion (Linden Ave., etc.)	5	1000.00	May 1917-1919	20,582.22	
June 1914	City's Portion (South Williams St. Improve.)	5	1000.00	June 1921	4,584.61	
July 1914	City's Portion (Elizabeth St., Maple Ave., etc.)	5	1000.00	July 1921	6,331.66	
May 1914	Police Department, Motor Truck Equipment	5	1000.00	May 1920	2,000.00	
May 1914	Fire Dept., Motor Truck Equipment (Central)	5	1000.00	May 1920	10,000.00	
March 1915	City's Portion (Charles St. Sewer, etc.)	5	500.00	March 1924	6,042.62	
August 1915	City's Portion (Hoover St., etc.)	5	1000.00	August 1922-1924	8,935.00	
April 1915	Grade Crossing Elimination	4½	1000.00	April 1918-1941	240,000.00	
August 1915	City's Portion (Hudson Ave. Re-surfacing)	5	1000.00	August 1925-1929	15,000.00	
February 1916	City's Portion (North First, Tenth, etc.)	5	1000.00	February 1926-1928	5,050.00	
March 1916	City's Portion (Paving Alleys, etc.)	4½	500.00	March 1923	2,380.00	
June 1916	City's Portion (Franklin Ave., Prospect, etc.)	4½	1000.00	June 1917-1926	24,000.00	
May 1916	Fire Dept., Motor Truck Equipment (East)	4½	1000.00	May 1922	5,000.00	
	Total Special Assessment Bonds					\$932,120.74

SUMMARY

Special Assessment Bonds—

Paving	\$222,312.35
Sewers	37,700.00
Sidewalks	4,000.00

Total Special Assessment Bonds..... \$264,012.35

General Bonds—

Water Works	\$425,000.00
Grade Crossing Elimination	240,000.00
City's Portion Street Improvements	138,309.74
Electric Light	53,000.00
Refunding	45,657.00
Motor Equipment	17,000.00
Miscellaneous	13,154.00

Total General Bonds..... \$932,120.74

Grand Total Funded Indebtedness December 31, 1916..... \$1,196,133.09

Investment securities held by the Trustees of the Sinking Fund at the close of the year December 31, 1916.

Serial Nos.	Description.	Date of Issue.	Date Due.	Rate.	Amount.
4 to 7,	Newark, South Sixth Street Opening.....	2- 1-12	1917-20	5	\$ 4,000.00
8,	Newark, South Sixth Street Opening.....	2- 1-12	1921	5	400.00
1,	Newark, Sixteenth Street Sewer.....	6- 1-13	1918	5	1,000.00
3, 4, 5, 7,	Newark, C. P. Williams Street Improvement.....	8-22-14	1921	5	2,916.27
1 to 9,	Newark, C. P. Hoover Street, etc.....	8- 1-15	1922-24	5	8,935.00
1 to 6,	Newark, C. P. Indiana Street, etc.....	2- 1-16	1926-28	5	5,050.00
1 to 5,	Newark, C. P. Street Improvement.....	3- 1-16	1923	5	2,380.00
1 to 5,	Newark, East Newark Fire Department.....	5- 1-16	1922	4 ½	5,000.00
Total.....					\$29,681.27

ANNUAL REPORT OF CITY AUDITOR

INDEX.

	Page
Roster of Officials	3
Salaries and Wages	4—5

I—DETAILED STATEMENTS.

1—Municipal Levy Funds.	
General Fund	6—8
Public Safety Fund	9—10
Public Health Fund	11
Public Service Fund	12—14
Hospital Fund	15
Library Fund	15
2—Self-Maintaining Funds.	
Water Works Fund	16—17
Cemetery Fund	18
3—Trust Funds.	
Cemetery Endowment Fund	18
Permanent Care Fund	19
Contractors' Deposit Fund	19
Water Deposit Fund	19
4—Bond Funds—General Assessments.	
Water Works Construction Fund	20
Safety Department Motor Truck Fund	20
Elimination Grade Crossing Fund	20
Electric Light Improvement Fund	21
Auditor's Account Sinking Fund	21
5—Bond Funds—Special Assessment.	
Street Improvement Funds	22—23
Summary Street Improvement Funds	24—25
6—Temporary Accounts.	
7—Recapitulation	26

II—CONSOLIDATED STATEMENTS.

1—Actual Transactions for the year 1916	27
2—Actual Financial Result of the year 1916	27
3—Total of Salaries and Wages paid in 1916	27
4—Statement of Assets and Liabilities	28—29

III—COMPARATIVE AND MISCELLANEOUS STATEMENTS.

1—Explanation of Terms	31
2—Summary of Receipts and Expenditures	32—33
3—Bonded Indebtedness	33
4—Sales and Maturities of Bonds, past	34
5—Maturities of Bonds, future	35
6—Distribution of Taxes	36—37
7—Tax Valuations and Levies	37
8—Tax Valuations by Wards	38
9—Diagram Comparing Debt and General Operation	39

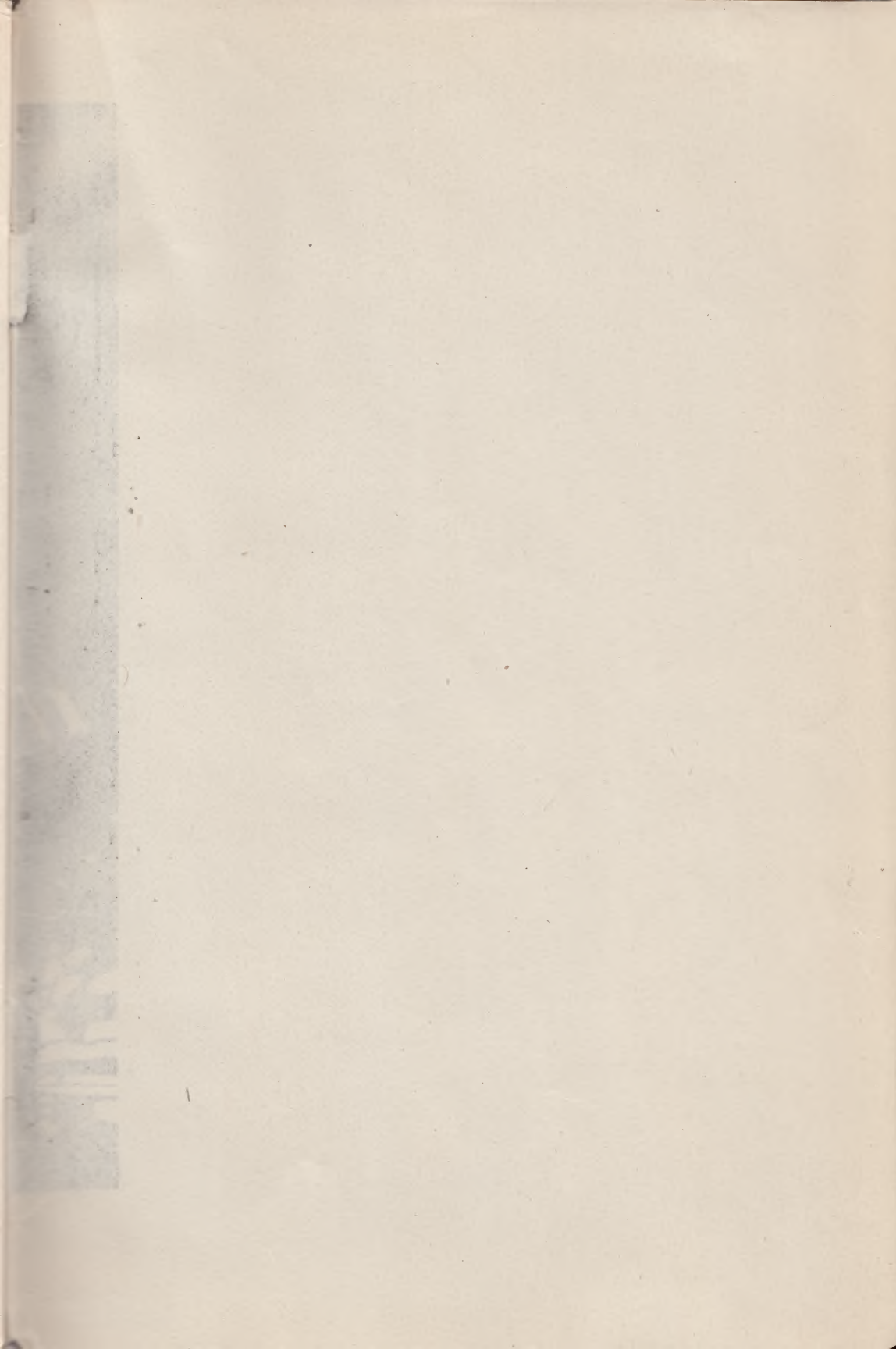
IV—MISCELLANEOUS REPORTS.

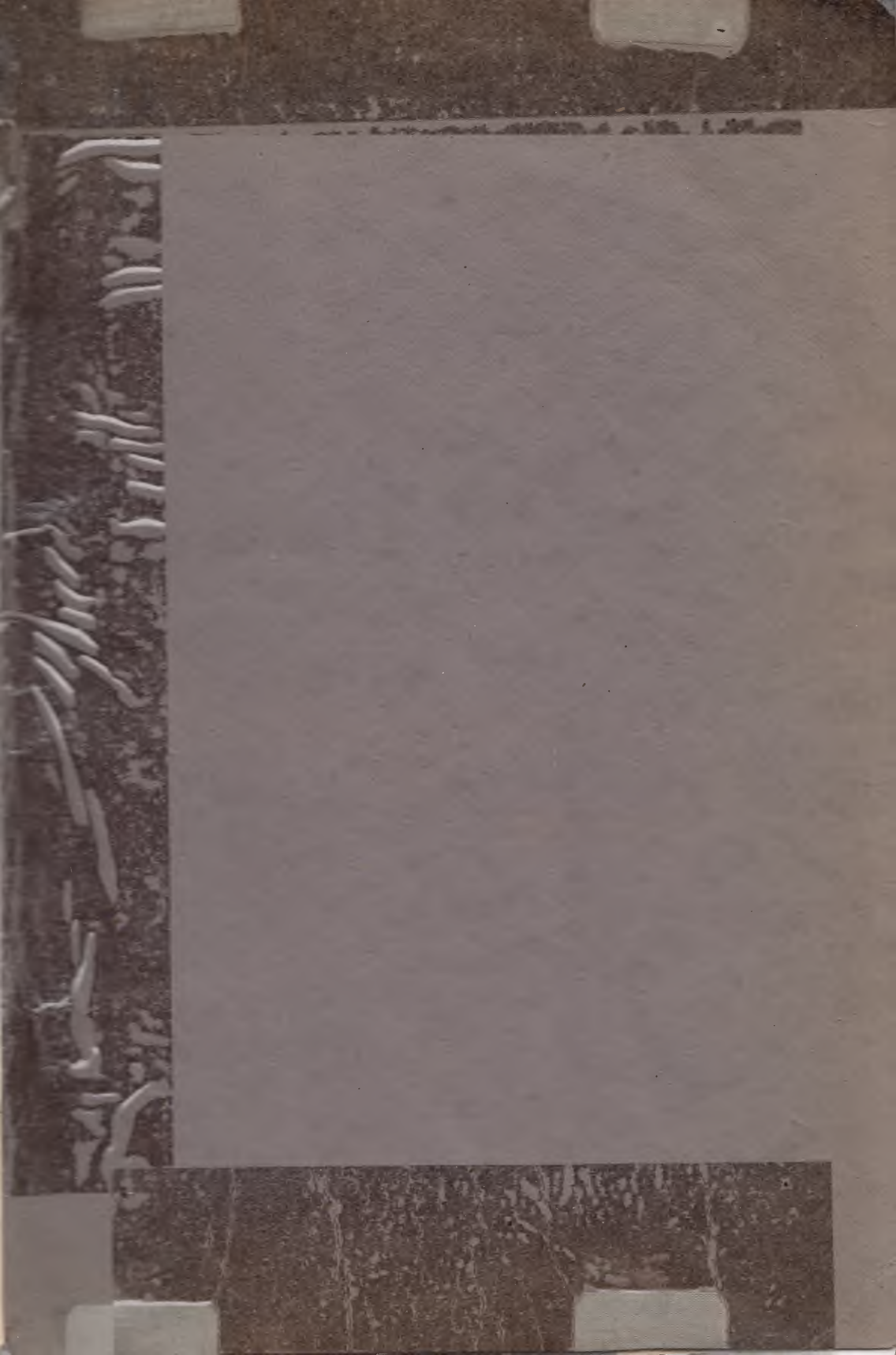
1—Mayor's Report	40
2—Fire Department, Chief Engineer's Report	41—43
3—City Engineer's Report	43
4—Public Service Director's Report	44—45
5—Board of Health's Report	46—47
6—Board of Education's Report	48—50
7—Sinking Fund Trustees' Report	51—56

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Assessed Valuation

Total assessed valuation figures for the city of Newark for the last six years is given in the following table. The figure for each year was the basis for taxation purposes for the next year; for example the figures under 1916 column will be used for taxation purposes during 1917.

<u>Year</u>	<u>Assessed Valuation</u>
1911	\$25,964.150
1912	27,757,120
1913	27,940,055
1914	30,170,270
1915	29,827,130
1916	28,878,010

Detailed figures for two years of the city's assessed valuation by wards is given below. This is classified by Lands, Lots and Personal. Lands figure covers town acres, and lots the improved land in city.

In each table the total Personal valuation for corporations has been included in the Personal figure for the Sixth Ward. In 1916, this figure amounted to \$5,990,930.

Classified Assessed Valuations by wards

<u>Ward</u>	<u>1915</u>			
	<u>Lands</u>	<u>Lots</u>	<u>Personal</u>	<u>Total</u>
First	\$ 277,930	\$2,135,240	\$ 621,400	\$3,034,620
Second	186,530	3,051,010	1,040,860	6,278,390
Third	130,050	1,844,990	291,770	2,266,810
Fourth	655,830	1,922,300	276,920	2,855,050
Fifth	282,830	3,273,400	717,390	4,273,620
Sixth	<u>886,530</u>	<u>2,782,850</u>	<u>7,517,260</u>	<u>11,118,640</u>
Total For City	\$2,419,690	\$17,009,790	\$10,465,600	\$29,827,130

1916

<u>Ward</u>	<u>Lands</u>	<u>Lots</u>	<u>Personal</u>	<u>Total</u>
First	\$ 261,130	\$2,155,960	\$670,370	\$3,107,460
Second	217,440	5,057,220	919,280	6,193,940
Third	130,350	1,850,630	305,700	2,286,680
Fourth	658,730	1,941,760	232,160	2,832,650
Fifth	294,780	3,351,890	648,080	4,294,750
Sixth	<u>898,530</u>	<u>2,798,010</u>	<u>6,465,990</u>	<u>10,162,530</u>
Total for City-	2480,960	\$17,155,470	\$9,241,580	\$28,878,010

Property in Newark is supposedly assessed at its actual value. There is, however, considerable need for equalization, as there are many cases of unequal valuations being placed on properties.

Tax Exemption

There are no provisions allowing exemption from taxes in Newark.

Taxes

The total tax rate in the city of Newark for 1916 (for 1917 tax levy) is \$15 per \$1,000. This is divided as follows:

	<u>Mills per \$1</u> <u>Assessed Valuation</u>
State Tax	.45
County "	3.25
School "	4.80
City "	<u>6.50</u>
 Total Tax -	 15.00

The following table shows the rate for five years previous to 1916, with detailed statement of the city tax.

Tax Levies - Mills per \$1.00

	<u>1911</u>	<u>1912</u>	<u>1913</u>	<u>1914</u>	<u>1915</u>
General	.50	.60	.60	.30	.15
Safety	1.64	1.00	1.30	1.18	1.25
Health	.05	.11	.12	.10	.10
Service	1.40	1.37	.58	1.16	1.10
Library	.025	.04	.05	.05	.04
Hospital	.085	.07	.08	.06	.06
Sinking Fund	<u>2.00</u>	<u>2.00</u>	<u>2.37</u>	<u>2.60</u>	<u>2.75</u>
 Total City	 5.70	 4.59	 4.50	 8.45	 5.45
State			.961	.45	.45
County			2.939	2.60	3.25
School			4.4	4.40	4.45
Township	-----	-----	<u>.30</u>	<u>.10</u>	-----
 Total Tax	 12.00	 12.00	 13.00	 13.00	 13.60

Building Permits

The following building permits were issued
in Newark during the year 1915:

	<u>Number</u>	<u>Value</u>
Industrial.....	3	\$ 15,700
Merchant.....	4	35,750
Residential.....	63	96,505
Church.....	<u>1</u>	<u>2,500</u>
Total.....	71	\$150,455

The permits were classified as follows as to
brick and frame buildings.

	<u>Number</u>	<u>Value</u>
Brick.....	13	\$ 65,230
Frame.....	<u>58</u>	<u>85,225</u>
Total.....	71	\$150,455

The record up to December 31, 1916, was as follows:

	<u>Number</u>	<u>Value</u>
Industrial.....	5	\$ 56,300
Merchant.....	6	13,600
Residential.....	<u>63</u>	<u>122,960</u>
Total.....	74	\$192,860
Brick.....	16	\$ 99,600
Frame.....	<u>58</u>	<u>93,260</u>
Total.....	74	\$192,860

Post Office Receipts

Comparative figures of receipts at the Newark post office for the last six years are given below:

Total for 1911.....	\$62,186.16
1912.....	62,397.75
1913.....	62,314.87
1914.....	71,527.42
1915.....	72,462.84
1916.....	82,485.39

(Including estimated receipts for December)

Post Office

At present the Newark post office is located in an old building in very poor repair. The office is very badly arranged and the equipment is very poor. The office is badly overcrowded.

A fine new building is now under construction. The estimated cost of which is \$190,000. The new building is to be of stone construction and is expected to be completed within a year's time.

Eight "Road Free Delivery" routes operate out of the Newark office. A total population of about thirty-five thousand is served, counting city population and that served by the rural routes.

Streets

Newark has a total street mileage of about fifty-two miles. Of this total,

27 miles are paved streets and

25 miles are unpaved streets.

Nearly all (about 95%) of the twenty-seven miles of paved streets are paved with brick. The balance have bituminous paving (asphalt, etc).

Additions to the paved street mileage by years for the past seven years has been as follows:

	<u>1909</u>	<u>1910</u>	<u>1911</u>	<u>1912</u>	<u>1913</u>	<u>1914</u>	<u>1915</u>
Street Paving (Miles Laid)	1.73	0.852	-	-	2.489	1.99	3.048
Total mileage of paved streets				<u>1915</u> 21.921		<u>1916</u> 27 miles	

Additional sidewalks laid for the last seven years were as follows:

	<u>1909</u>	<u>1910</u>	<u>1911</u>	<u>1912</u>	<u>1913</u>	<u>1914</u>	<u>1915</u>
Sidewalks (Miles Laid)	1.24	0.50	2.618	5.0	2.02	2.351	0.955

Total sidewalk mileage end of 1915 - 47.207 miles.

The streets of Newark are electrically lighted. Power for street lighting is generated and distributed by the city. This is the only purpose for which the municipal lighting plant is used.

The lighting plant of the city for street lighting is located at the city water plant. A new five hundred Kilowatt turbine generator has recently been installed.

Streets...#2.

The number of street lights is as follows:

Arca.....	150
Nitrogen Lamps.....	<u>345</u>
Total.....	495

The general condition of Newark's streets is not of the best. About fifty per cent of the paved streets are in such poor condition that they ought to be repaved. This is far too high a percentage for a city wishing to progress. Many of the unpaved streets are in poor condition. The poor condition of the paving is due to age, much of it having been down twenty-five or thirty years.

Sewers

The city of Newark has not much reason to be proud of its sewer system. The total sewer mileage at the end of 1915 was 27.179 miles. The following number of miles have been added to the system each year since 1909.

	<u>1909</u>	<u>1910</u>	<u>1911</u>	<u>1912</u>	<u>1913</u>	<u>1914</u>	<u>1915</u>
Sewers (Miles Laid)	0.26	0.508	0.079	-	4.253	3.067	1.444

An investigation of Newark's sewer system in 1916 by students of Denison University shows that less than forty per cent of the houses in the city are connected with the sewer. The figures given in the report are as follows:

Houses connected with sewer	-	2620
Houses not connected with sewer	-	<u>4451</u>
		7071

The trunk sewers were financed by means of bond issues. Extensions and additional storm sewers are for the most part financed by means of special assessments on adjoining property owners.

The following are three especially unfavorable and dangerous features of the city's sewer system.

1. In many sections of the city, sewers which were constructed as storm sewers for drainage purposes are being used as sanitary sewers, all the refuse and pollution going through them. It is understood that a state law prohibits this being done, but such is the condition in Newark.

Sewers...#2.

2. Newark has no disposal works of any kind. Sewage from the city empties directly into the Licking River at three points - one in the North Fork, and two in the South Fork of the river. The first named location is almost in the heart of the city, and the other two are not far removed from populous portions.

Thus Newark is really making an open sewer of the two branches of the river which runs through the city. When it is considered that refuse from towns further above on the river is also carried through the city in the open river, it is easy to see the extremely dangerous condition which exists.

The city should lose no time in constructing disposal works for the purification of its sewage before emptying it into the river.

3. The western end of Newark is without sewer system of any kind. Drainage ditches and cesspools are being used. In view of the several large industries in that section, and probable greater growth in the near future, plans ought to be laid at once for the installation of an adequate sewer system, and for connecting it with the main system of the city.

Fire Department

The fire department of Newark is full paid. There are twenty-three men in all in the department, classified as follows:

Chief.....	1
Assistant Chf..	1
Drivers.....	5
Captain.....	2
Firemen.....	<u>12</u>

Total..... 23

Equipment of the department is as follows:

Motor Equipment -	Pieces
Service Ladder Truck	1
Combination Chemical and Hose	<u>2</u>
Total Motor Equipment	3
Horse Drawn Equipment -	
Combination Chemical and Hose	<u>2</u>
Total pieces of Equipment	5

The equipment is divided among four stations - the central station, East Main Street Station; North Fourth Street Station, and West Side Station.

The Central Station and department offices are located in one end of the city building. This is an old building which has been remodelled. Conditions in the fire department section are very bad. The floor in the service room is badly rotted in several places and is in such a dangerous condition that it has been necessary to lay a second floor where the heavy machines stand.

Fire Department...#2.

The sleeping quarters are overhead and are poorly arranged, and in poor repair. At present there is no space for a repair shop for the motor equipment.

Newark's fire record for the last twelve years has been as follows:

<u>Year</u>	<u>Total Number of Alarms</u>	<u>Total Loss Insured & uninsured</u>
1904	92	\$112,473
1905	103	22,648
1906	75	25,782
1907	97	20,725
1908	107	4,245
1909	93	129,675
1910	94	64,660
1911	105	7,502
1912	82	24,049
1913	101	56,243
1914	94	25,155
1915	97	5,621

Causes of and losses from fires in 1915 were:

Two fires of 1914 not adjusted for 1914 report.....	\$90.00
Careless use of matches.....	60.00
Careless smoker.....	175.00
Children and matches.....	65.00
Defective flue.....	1307.00
Defective stove.....	127.00
From smokehouse.....	50.00
Flooding gasoline tank.....	200.00
Hot Plate too near wall.....	295.00
Over heated stove.....	20.00
Over heated furnace.....	25.00
Spark from chimney.....	4.00
Spark from hemp machine.....	2316.00
Soot and coal gas burning.....	5.00
Tar boiling over.....	91.00
Unknown.....	<u>791.00</u>
Total.....	\$5,621.00

Fire Department...#3.

Total value of property at risk.....	\$226,636.00
Insurance loss.....	4,300.00
Fires in frame buildings.....	- 46
Fires in brick buildings.....	16
Fires in concrete buildings.....	<u>1</u>
Total Building calls.....	63
Other than building fires.....	31
False alarms.....	<u>3</u>
Total alarms.....	97

Police Department

The Newark Police Department has a total of eighteen members, classified as follows:

	Chief.....	1	
<i>capt</i>	Seargant.....	1	
	Chauffeurs.....	2	
	Station Keepers!..	2	<i>Patrolmen at station 1-</i>
	Patrolmen.....	<u>12</u>	<i>18</i>
	<i>negotiator</i>	<i>2</i>	
	Total.....	18	

The number of patrolmen on the force is small considering the fact that the city covers an area of about five square miles and a population of about thirty thousand people.

The patrolmen work in shifts of ten hours - six patrolmen to a shift stationed as follows:

In business section!.....	3
North Newark.....	1
South Newark.....	1
East Newark.....	1

Thus the western end of the city is without adequate police protection. The number of men on duty in other sections is also too small. The Chief of Police states that a force of at least thirty men is badly needed. The four hours not taken care of by the two shifts are cared for by the station men.

The department is equipped with a motor police patrol. It is a Buick, six cylinder machine and is in first class condition. It was purchased in September 1915, displacing the horse drawn patrol then in service.

Police Dept...#2.

Following are records for the years 1914 and 1915 of the total arrests made, classified as to "state" and city cases. These figures are taken from report made to the Mayor by the Chief of Police.

	<u>Year 1914</u>			<u>Year 1915</u>		
	<u>State</u>	<u>City</u>	<u>Total</u>	<u>State</u>	<u>City</u>	<u>Total</u>
Intoxication	503	354	857	637	381	1018
Rebbery or Grand Larceny	34	-	34	21	-	21
Loitering	-	166	166	-	-	-
Petty Larceny	48	15	63	41	14	55
Visit Houses of Prostitution	-	12	12	-	38	38
Burglary	6	-	6	8	-	8
Disorderly Conduct	-	283	283	26	181	207
Assault and Battery	97	19	116	74	5	79
Peddling without License	-	12	12	-	10	10
Living in adultery	12	-	12	-	-	-
Fighting	-	46	46	-	46	46
Trespassing	3	-	3	-	-	-
Train Riding	-	70	70	29	120	149
Selling adulterated milk	1	-	1	-	-	-
Vagrancy	6	2	8	-	69	69
Begging	-	34	34	-	29	29
Failure to provide for minor chil.	7	-	7	-3	-	3
Prowling	-	37	37	-	26	26
Obtaining Money under false preten-	24	-	24	32	-	32
Selling intoxicating liquors with license.	26	-	26	22	-	22
Wilful and Maccicious destruction of property.	17	4	21	11	4	15
Opium using	3	-	3	-	-	-
Resisting officer	6	7	13	14	23	37
Inmates of Houses of Prostitution	-	20	20	-	-	-
Gambling	27	-	27	24	-	24
Carrying concealed weapons	11	-	11	9	-	9
Exceeding speedlimit & viojat- ing of traffic laws	29	6	35	23	3	26
Discharging fire armes in city limits	-	2	2	-	-1	1
Assault with intent of robbery	8	-	8	-	-	-
Miscellaneous	36	-	36	-	-	-
Assault with intent to kill	-	-	-	2	-	2
Cruelty to Animals	-	-	-	1	-	1
Receiving stolen property	-	-	-	2	-	2
Billards on Sunday	-	-	-	-	2	2
	<u>904</u>	<u>1089</u>	<u>1993</u>	<u>979</u>	<u>942</u>	<u>1921</u>

CHAPTER IV

PUBLIC UTILITIES

Electricity

Electric light and power for all industrial and domestic uses other than street lighting is furnished by the Ohio Light and Power Company.

This company has its plant at Newark which furnishes power to the city and surrounding country. The plant was new about four years ago, and a new addition was added during the last summer. Power is generated by steam turbines. The plant has a capacity of 7750 kilowatts. Current is alternating.

Power to the surrounding country is distributed over the following two circuits.

1. Thornville, Somerset, New Lexington, Creekville, Shawnee, New Straightville and Logan.
2. Thornville, Pleasantville, Baltimore, O., Bazard and Lancaster.

A complete schedule of charges for light and power - both industrial and residential - is attached. Different schedules are so arranged that a manufacturer may obtain a rate which best suits his particular needs and thus obtain the lowest possible rates. Most of the largest power consumers are now taking the new power contract, copy of which are also attached.

The Ohio Light and Power Company is in a position to take care of all demands made for light or power. The company has ample capital, and exhibits a most progressive spirit in providing additional facilities to take care of the demands of new consumers.

SCHEDULE No. 2

WHOLESALE POWER RATE AND CONTRACT—APPLICABLE TO DEMANDS OF 100 KW. OR OVER

THIS AGREEMENT entered into thisday of
 by and between thehereafter called the Company, and
 of
 successors and assigns, hereafter called the Customer,

WITNESSETH:

For and in consideration of the mutual covenants and agreements hereinafter contained the parties hereto agree with each other as follows:

The Company agrees to furnish to the Customer, during the term of this agreement, and the Customer agrees to take from the Company, subject to the rules and regulations, which are hereby incorporated in this agreement, all the electric energy of the character specified herein that shall be required by the Customer in the premises located at

The Company is to furnish and the Customer is to take electric energy under the terms of this agreement for a period ofyear... beginning the day of 191... and thereafter in successive periods of not less thanyear... each, until either party shall give the other not less than sixty days' notice, in writing, of its or his election to discontinue the service at the expiration of any said specified periods.

The electric energy delivered hereunder shall be current at approximately volts, and shall be delivered at the meter or meters installed by the Company on the said premises, at a reasonably close maintenance of constant potential and frequency.

The maximum demand of the Customer shall be the highest registration, during any fifteen minute period of each month, of a demand indicator or meter, and the limits of such demand are hereby fixed at K. W. as a minimum andK. W. as a maximum.

The electric energy used by the Customer shall be measured by recording wattmeters installed and owned by the Company and the Customer agrees to pay the Company monthly for same as per meter measurement at the following rates:

- For a consumption equal to the first thirty hours use per month of the maximum demand during that monthseven (7) cents per kilowatt-hour
- For a consumption equal to the second thirty hours use per month of the maximum demand during that month.... five (5) cents per kilowatt-hour
- For the balance of the total kilowatt-hours used during that month

.....one (1) cent per kilowatt-hour
 From the gross amount of each monthly bill, computed at the foregoing rates, amounting to more than fifty dollars, the following discounts will be deducted:

Gross Bill.	Disc.	Gross Bill.	Disc.	Gross Bill.	Disc.
\$ 50.00	Net	\$240.00 to \$280.00	12 %	\$1000.00 to \$1250.00	27 1/2 %
50.00 to \$ 60.00	1%	280.00 to 320.00	13 %	1250.00 to 1500.00	30 %
60.00 to 70.00	2%	320.00 to 360.00	14 %	1500.00 to 1750.00	32 1/2 %
70.00 to 80.00	3%	360.00 to 400.00	15 %	1750.00 to 2000.00	35 %
80.00 to 90.00	4%	400.00 to 440.00	16 %	2000.00 to 2250.00	37 1/2 %
90.00 to 100.00	5%	440.00 to 480.00	17 %	2250.00 to 2500.00	40 %
100.00 to 120.00	6%	480.00 to 500.00	18 %	2500.00 to 3000.00	42 1/2 %
120.00 to 140.00	7%	500.00 to 600.00	19 %	3000.00 to 3500.00	45 %
140.00 to 160.00	8%	600.00 to 700.00	20 1/2 %	3500.00 to 4000.00	47 1/2 %
160.00 to 180.00	9%	700.00 to 800.00	22 %	4000.00 and over	50 %
180.00 to 200.00	10%	800.00 to 900.00	23 1/2 %		
200.00 to 240.00	11%	900.00 to 1000.00	25 %		

The foregoing discounts will be increased by five (5) if current is measured at line voltage.
 The foregoing discounts will be increased by five (5) if synchronous motors as specified by Company are used by Customer.

A cash discount of ten (10) per cent. will be allowed from the net amount of each monthly bill computed at the above rates, if same is paid within ten days of date of bill.

For each calendar year during the term of this agreement, the Customer agrees that his consumption of electric energy under this agreement shall be not less than an amount equal to seven hundred and twenty (720) hours use of his maximum demand during such year, and a pro rata monthly amount for periods of less than a year. In the event that his consumption is less than the specified amount, Customer agrees to pay for any unused balance, at the end of each calendar year, and at expiration of contract, computed at the average rate per kilowatt-hour as established by the monthly bills rendered during the last preceding twelve months in which electric energy was used.

The Company will make every effort to maintain an uninterrupted supply of electricity, but it is agreed that temporary cessation of the Company's service hereunder, occasioned by fires, strikes, casualties, accidents, break-downs or injuries to machinery or distribution lines, shall not constitute a breach of this contract on the part of the Company, and the Company shall not be liable to Customer for damages resulting from such temporary cessation of service.

The Customer agrees that the properly authorized agents of the Company shall at all reasonable hours have free access to said premises for the purpose of examining, repairing or removing meters or other appliances belonging to the Company.

If the Customer shall make default in the payment of any bill as aforesaid, or shall violate any of the terms or conditions of this contract, and after such default or violation the Company shall deliver at such premises addressed to the Customer, a written notice of its intention to cut off the supply of electricity on account of said default or violation, then the Company shall have the right to cut off such supply at the expiration of five days after giving of such notice, unless within such five days the Customer shall make good such default or violation. Should the Customer continue in default or violation after service has been discontinued, the Company may continue to withhold the supply of electricity until such time as such default in, or violation of, the terms of this agreement has been made good. Any suspension of service by the Company as provided for herein shall not terminate this contract, and the Customer hereby agrees to pay for the guaranteed minimum consumption specified herein for the period during which service is suspended, in addition to any arrears which may exist.

There are no understandings or agreements outside of this contract and the same shall be in full force and effect when signed by the parties hereto and approved by the General Manager of the Company.

.....

RULES AND REGULATIONS.

1. The main transmission lines of the Company, or branches thereof, will be extended to such points as provide sufficient load to justify such extensions and the Company may require such definite and written guarantees from a Consumer or group of consumers as may be necessary to pay the cost of such extensions within a reasonable time. This requirement may also be made covering the repayment, within a reasonable period, of the cost of tapping such existing lines for light or power service, or both.

2. The wiring and appliances in the premises of the Consumer should be installed in accordance with, and conform to, the rules and requirements of The National Board of Fire Underwriters in force at the time such installation is made, and should be inspected and approved by a competent electrical inspector before the Company makes connection to its distributing system. This requirement is for the protection of the Consumer as the Company will not be responsible in any way for any defect in the wiring or equipment of the Consumer. Any changes in, or additions to, the original equipment of the Consumer should be inspected and approved by proper and competent authority.

3. The Company will assume responsibility for damage or injury occasioned by negligence of the Company, its agents, servants or employees, up to the point of delivery of electric energy to each Consumer. Beyond the point of delivery as defined in this Contract, the Company will not be liable for any damage either to person or property.

4. The Company will provide and maintain in proper operative condition the necessary line and service connections, transformers, when same are required by conditions of contract between the parties hereto, meters and any other apparatus which may be required for the proper measurement of, and protection to, its service. All such apparatus shall be and remain the property of the Company. In the event of loss or damage of the property of the Company through misuse or the negligence of the Consumer or the employees of the same, the cost of the necessary repairs or replacement thereof shall be paid to the Company by the Consumer.

5. The Company shall have the right at all reasonable hours to enter the premises of the Consumer for the purpose of installing, removing, replacing or otherwise disposing of its apparatus and property, and the right of entire removal of the Company's property in the event of the termination of this contract for any cause.

6. Consumer hereby agrees that no one except the employees of the Company shall be allowed to make any internal or external adjustment of any meter or of any other piece of apparatus which shall be the property of the Company.

7. The Company will make every effort to provide a regular and uninterrupted supply of current, but in case the supply of current should be interrupted or fail by reason of accident, strike, legal process, state or municipal interference, extraordinary repairs, the Company shall not be held liable for damages because of such interruption or failure.

8. The service connection, transformers, meters and appliances, supplied by the Company for each Consumer have a definite capacity and no additions to the equipment or load connected thereto, or re-sale of current will be allowed, except by consent of the Company.

9. Consumer shall install only such motors or other apparatus or appliances as are suitable for operation with the character of the service supplied by the Company, and the electric power must not be used in such a manner as to cause unprovided for voltage fluctuations or disturbances in the Company's distributing system. All apparatus used by the Consumer shall be of such a type as to secure the highest practicable commercial efficiency, power factor and proper balancing of phases. Motors frequently started or motors arranged for automatic control must be of a type to give maximum starting torque with the minimum current, and must be of a type, and equipped with controlling devices, approved by the Company. In case of violation of this rule, service may be discontinued by the Company until such time as Consumer's use of electric power furnished hereunder shall conform to these regulations. Such suspension of service by the Company shall not operate as a cancellation of this contract.

10. The Company shall have the right, if necessary, to construct its poles, lines and circuits on the property, and to place its transformers and other necessary apparatus on the property or within the buildings of the Consumer at a point or points convenient for such purpose, and the Consumer shall further guarantee the right to use suitable space for installation of necessary measuring instruments so that the latter may be protected from injury by the elements or through the negligence or deliberate acts of any employee of the Consumer.

11. If it shall be necessary for the Company to place any part of pole lines or circuits on or over the premises or property of any other person, firm or corporation, to reach the premises of the Consumer, the Consumer shall obtain the necessary right of way from such person, firm or corporation, and shall keep the Company, its successors and assigns indemnified against any damages or action for trespass or rentals, arising from the entry upon any such property during the continuation of the contract.

12. A deposit, or a suitable guarantee or security, may be required of any Consumer before electricity will be supplied. The Company will pay interest at the rate of 5% per annum on deposits so made.

13. All bills will be rendered and payable monthly at the office of the Company within ten days of date thereof. Failure to receive bill will not act as an extension of the discount period.

14. The Company reserves the right to discontinue its service without notice in case the Consumer is in arrears in the payment of the Company's bills, or fails to comply with these rules and regulations.

POWER CONTRACT

CONNECTED LOAD

Motors

.....
Customer

.....
Address

Contract Dated

Contract Expires

Customer's Ledger Folio

Total H. P. Motors Conn.

Total K.W. Lights Conn.

P. U. C. O. No. 1
SUPERCEDES P. S. C. O. No. 1

The Ohio Light and Power Company

SCHEDULE FOR NEWARK, OHIO

Issued July 1, 1914

Effective August 1, 1914

FRANK ESPY, Manager
NEWARK, OHIO

Rules and Regulations

FOR ELECTRIC SERVICE

1. A copy of the rates, rules and regulations will be furnished upon application at the Company's office, and the Consumer may elect upon which schedule his application shall be based.

2. A written application will be required from each consumer. A copy of the application will be furnished the consumer.

3. The Consumer before wiring his premises or purchasing any electrical equipment, shall present to the Company a written list of the devices which are to be attached to the Company's lines and give the location of his building. The Company will advise the style, voltage and description of current it will furnish.

4. The Consumer shall provide free of expense to the Company a suitable place for the meter or meters and shall insure the Company against loss of or injury to the meter or meters through negligence, misuse or accident.

5. The authorized agents or employees of the Company shall have free access at all reasonable hours to the premises of the Consumer, for the purpose of installing, inspecting, replacing or removing the property of the Company situated on the premises.

6. The Company will furnish free lamp renewals to such Consumers as may be entitled to the same, when such lamps are presented at the office of the Company, but no free renewals or exchange will be made unless the burned-out lamps were purchased from or renewed by the Company and burned during their useful life, exclusively on the Company's current and presented for renewal in good condition, except for deterioration caused by use or by reason of defect in manufacturing.

7. The Company will use reasonable diligence in providing a regular and uninterrupted supply of current, but in case the supply of current should be interrupted or fail by reason of accident, strike, legal process, state or municipal interference, extraordinary repairs or for any cause beyond the Company's control the Company shall not be liable for damages of such interruption or failure.

8. The Company must be notified in writing by Consumer of any increase or decrease in the existing installation of light or power devices on Consumer's premises, as such changes may seriously affect the Company's lines, meters, transformers and other appliances, and should the Consumer install and connect additional electrical appliances without first giving notice to the Company, the Consumer will be held responsible for all damages resulting therefrom.

9. The Company will assume no responsibility for any defect in wiring or appliances of the Consumer or for the successful operation of the appliances connected to the wiring on Consumer's premises.

10. The Consumer should notify the Company promptly of any defect in service or any accident to or trouble with the supply of electricity.

11. Where the service wires of the Company are of overhead construction, and the Consumer desires underground service, the same must be provided and maintained by such Consumer.

12. Electric service and meters will be installed free of charge when Consumer is located upon the mains of the Company and contract entered into for a period of at least one year, otherwise a charge may be made to cover cost of any extensions of mains and installation of service and meter.

13. Bills are payable within ten (10) days from the date thereof, at the Company's office. Bills shall be considered as received by the Consumer when left or mailed to the place where the electricity is used, unless some other place is mutually agreed upon. Failure to receive bills will not entitle Consumer to an extension of the discount period. In default of payment of the bills within the specified time, the service may be discontinued without notice.

14. A deposit equal to one month's estimated bill will be required from all Consumers unable to give the Company a satisfactory reference. A receipt covering the amount of deposit will be furnished to the Consumer. The Company shall have reasonable time in which to remove the meters and ascertain that the obligations of the Consumer have been fully performed before being required to return any deposit.

15. The Consumer shall make payment for all electricity consumed, in accordance with the terms of the application, until the final inspection of the meter.

16. The Company requests the Consumer to notify the office of any insufficiency of supply or unsatisfactory service, or any inattention or discourtesy upon the part of its employees or agents.

LIGHTING RATES

CHEDULE NO. 1.

Schedule for Lighting Charges.

Rate Used for Residences and Store Lighting Based Upon Monthly Consumption.
Consumption in kilowatt hours:

	Rate Per Kilowatt Hour.
Less than 100	9 cents
101 to 150	8 ³ / ₄ cents
151 to 200	8 ¹ / ₂ cents
201 to 250	8 ¹ / ₄ cents
251 to 300	8 cents
301 to 400	7 ¹ / ₂ cents
401 to 500	7 ¹ / ₄ cents
501 to 750	7 cents
751 to 1000	6 ¹ / ₂ cents
1001 to 1500	6 cents
1501 to 1750	5 ¹ / ₂ cents
1751 to 2000	5 cents
Over 2000	4 ¹ / ₂ cents

BILLS PAYABLE MONTHLY.

The above rate is applied on monthly or yearly contracts, with a 50-cent minimum charge per month.

Free renewals of all standard carbon filament lamps of eight, sixteen and thirty-two candle power when burned out or rendered unserviceable from use or defect in manufacture.

Above rate is applied on fans and small power users under one-half h. p.

A discount of 10 per cent will be allowed on bills paid within ten days of billing for current furnished under Schedules 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 14.

CHEDULE NO. 2.

Readiness to Serve Rate Applies to Any Lighting Service.

Fifteen cents per 50 Watt Lamp maximum load, plus \$1.00 per month, consumer charge, plus 4 cents per kilowatt hour.

CHEDULE NO. 3.

Flat Rate For Sign And Window Lighting.

\$.11 per month per	2 c. p. carbon lamp.
\$.18 per month per	4 c. p. carbon lamp.
\$.32 per month per	8 c. p. carbon lamp.
\$.65 per month per	16 c. p. carbon lamp.

The above rate is figured on a schedule from dusk to midnight every night in the year and is turned on and off by our patrolman. Also includes free lamp renewals if original lamps were purchased from the Company. Minimum \$2.00 per month.

CHEDULE NO. 4.

Flat Rate on Carbon or Tungsten Lamps for Signs and Windows.

One cent per watt per month connected for not to exceed dusk to midnight burning. Consumer furnishes initial lamps and renewals.

One and one-half cents per watt connected for all-night burning.

CHEDULE NO. 5.

Special Flat Rate for Fans.

12-inch desk fan, per month	\$2.50
16-inch desk fan, per month	3.00
Ceiling fan, per month	4.50

CHEDULE NO. 6.

Special Meter Rate for Automobile Rectifiers.

\$2.00 per month minimum, 6 cents per kilowatt hour; 10 per cent discount if paid within ten days of billing.

CHEDULE NO. 7.

Flat Rate on Electric Pianos \$2.20 Per Month.

CHEDULE NO. 8.

Quantity Rates on Yearly Contracts.

Quantity rates are based on daily average use, with extra large discount to large consumers.

Where customer guarantees a use equal to \$5.10 per month per kilowatt, of maximum demand (not less than 1 kilowatt), 6 cents per kilowatt hour.

Where customer guarantees a use equal to \$6.25 per month per kilowatt, of maximum demand (not less than 1 kilowatt), 5 cents per kilowatt hour.

Where customer guarantees a use equal to \$7.50 per month per kilowatt of maximum demand (not less than 1 kilowatt), 4 cents per kilowatt hour.

To customers using over ninety dollars (\$90.00) worth net per month the cash discount will be 25 per cent instead of 10 per cent.

Conditions as to renewals, etc., the same as with Schedule No. 1.

CHEDULE NO. 9.

For Temporary Service.

Rate nine cents per kilowatt hour.

Discount of 10 per cent allowed on bills paid on or before the 10th of the month following that in which current was used.

Minimum \$2.00 per kilowatt connected.

Cost of service connections charge to customer.

POWER SCHEDULES

SCHEDULE NO. 10.

Power Contracts for Small Users.

Schedule of motor charges based on 1 h. p. motor—26 days:

Hr. use Per Day	1000 Watt Hr. Use		Rate Per 1000 Watt hours	
	Per Month		Gross	Net.
1	0 to 19	.....	.066	.....
2	20 to 38	.....	.0625	.....
3	39 to 57	.....	.06	.....
4	58 to 76	.....	.0575	.....
5	77 to 95	.....	.055	.....
6	96 to 114	.....	.0525	.....
7	115 to 134	.....	.05	.....
8	135 to 152	.....	.045	.....
9	153 to 171	.....	.04	.....
10	172 to 190	.....	.033	.....

Consumer guarantees a minimum payment for use of current to the amount of \$2.50 each month where less than 5 h. p. are installed and 50 cents per horse power each month when motors of 5 h. p. or over are installed.

SCHEDULE NO. 11.

Combination Rate on Yearly Contract.—5 H. P. Connected Load or Over.

Customers contracting to use current when its use does not cover the time from sunset to 6 o'clock P. M., will be given a rate of \$1.00 per month per h. p. of maximum load plus an output charge of 1 cent per kilowatt hour.

A discount of 10% is allowed if paid within ten days after date of billing.
For primary power an additional discount of 5% will be allowed.

SCHEDULE NO. 12.

Demand Power Rates on Yearly Contracts—Payments to Be Made Monthly.

For a consumption of energy equivalent to the first thirty hours use per month of the maximum demand during the month of seven (7) cents per kilowatt hour.

For a consumption of energy equivalent to the second thirty hours use per month of the maximum demand during the month at five (5) cents per kilowatt hour.

For the balance of the total kilowatt hours used during that month at one (1) cent per kilowatt hour.

From the gross amount of each monthly bill computed at the foregoing rates, amounting to more than \$50, the following quantity discount will be deducted:

Gross Bill.	Discounts Net.
\$ 50.00 to \$ 60.00	1 %
60.00 to 70.00	2 %
70.00 to 80.00	3 %
80.00 to 90.00	4 %
90.00 to 100.00	5 %
100.00 to 120.00	6 %
120.00 to 140.00	7 %
140.00 to 160.00	8 %
160.00 to 180.00	9 %
180.00 to 200.00	10 %
200.00 to 240.00	11 %
240.00 to 280.00	12 %
280.00 to 320.00	13 %
320.00 to 360.00	14 %
360.00 to 400.00	15 %
400.00 to 440.00	16 %
440.00 to 480.00	17 %
480.00 to 500.00	17 ½ %
500.00 to 600.00	18 ½ %

Motors charged for, on a demand basis, will have the demand taken by an actual measurement by the Company. Re-measurement will be made at any time upon written request of the Consumer. In the absence of measurement, the demand will be assumed to be as follows:

10 H. P. to 50 H. P., 1 or more motors	65%
10 H. P. or less, 2 or more motors	75%
10 H. P. or less, 1 motor	85%
50 H. P. or larger, 1 or more motors	55%

The Consumer agrees to pay each month as a service charge an amount computed as follows:

\$1.00 per h. p. for the first 50 h. p. of connected load.

75c per h. p. for the second 50 h. p. of connected load.

50c per h. p. for all in excess of 100 h. p. connected load.

This service charge is to be paid by Consumer only in such months as no current is used, or the current consumed at the rates named herein amounts to less than the service charge.

SCHEDULE NO. 13.

Wholesale Power Rates on Yearly Contract for Large Users.

For a consumption equal to the first thirty hours use per month of the maximum demand during the month at seven (7) cents per kilowatt hour.

For a consumption equal to the second thirty hours use per month of the maximum demand during the month at five (5) cents per kilowatt hour.

For the balance of the total kilowatt hours used during that month at one (1) cent per kilowatt hour.

From the gross amount of each monthly bill computed at the foregoing rates amounting to more than \$50 the following quantity discount will be deducted:—

Gross		Discount.	
\$		net	
50.00	.....	1	%
50.00 to \$	60.00	2	%
60.00 to	70.00	3	%
70.00 to	80.00	4	%
80.00 to	90.00	5	%
90.00 to	100.00	6	%
100.00 to	120.00	7	%
120.00 to	140.00	8	%
140.00 to	160.00	9	%
160.00 to	180.00	10	%
180.00 to	200.00	11	%
200.00 to	240.00	12	%
240.00 to	280.00	13	%
280.00 to	320.00	14	%
320.00 to	360.00	15	%
360.00 to	400.00	16	%
400.00 to	440.00	17	%
440.00 to	480.00	17 1/2	%
480.00 to	500.00	18 1/2	%
500.00 to	600.00	19 1/2	%
600.00 to	700.00	20 1/2	%
700.00 to	800.00	21 1/2	%
800.00 to	900.00	22 1/2	%
900.00 to	1000.00	23 1/2	%
1000.00 to	1200.00	24 1/2	%
1200.00 to	1400.00	25 1/2	%
1400.00 to	1600.00	26 1/2	%
1600.00 to	1800.00	27 1/2	%
1800.00 to	2000.00	28 1/2	%
2000.00 to	2200.00	29 1/2	%
2200.00 to	2400.00	30 1/2	%
2400.00 to	2550.00	31 1/2	%
2550.00 to	2700.00	32 1/2	%
2700.00 to	2850.00	33 1/8	%
2850.00 to	3000.00	33 1/8	%
Over	3000.00	33 1/8	%

The foregoing discounts are to be increased by five (5) if current is used at line voltage.

The foregoing discounts will be increased by five (5) if synchronous motors as specified by Company are used by customer.

A cash discount of ten per cent (10%) will be allowed from the net amount of each monthly bill computed at the above rates, if same is paid within ten days of date of bill.

The maximum demand upon which monthly bills are computed shall be the highest registration, during any fifteen minute period of each month, of a demand indicator or meter.

The customer agrees that his consumption of electric energy used under this schedule during each calendar year shall not be less than an amount equal to 720 hours' use of his annual maximum demand during such year and a proportionate monthly amount for periods of less than a year. In the event that his consumption is less than the specified amount, the customer agrees to pay for any unused balance at the end of each calendar year and at expiration of contract computed at the average rate per kilowatt hour as established by the monthly bills rendered during the last preceding twelve months in which electric energy was used.

SCHEDULE NO. 14.

Break Down Service.

All energy consumed will be charged for at the rate of six (6) cents per kilowatt. Monthly charge to be not less than three dollars (\$3.00) per kilowatt of connected load.

SCHEDULE NO. 15.

Yearly Contract.

Customers using 30 H. P., or more continuously 8 hours or more per day, who agree to do intermittent work during hours in which artificial light is not generally used will be given a rate of 2 cents per K. W. Hr.

The current monthly bill is subject to a ten per cent. discount, if account is paid in full on or before the tenth of the month.

Additional 5% will be allowed on bills of over \$300.00 per month.

For primary power an additional discount of 5% will be allowed.

In large factories where many motors are connected for intermittent use the H. P. capacity connected will be computed from the capacity provided for rather than the capacity of the individual motors installed.

LIGHTING RATES

COMMERCIAL RATES

These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

Category	Rate
General Lighting	100.00
Special Lighting	150.00
Industrial Lighting	200.00
Commercial Lighting	250.00
Public Lighting	300.00
Street Lighting	350.00
Marine Lighting	400.00
Automotive Lighting	450.00
Aircraft Lighting	500.00
Stage Lighting	550.00
Studio Lighting	600.00
Medical Lighting	650.00
Scientific Lighting	700.00
Architectural Lighting	750.00
Artistic Lighting	800.00
Emergency Lighting	850.00
Security Lighting	900.00
Signage Lighting	950.00
Outdoor Lighting	1000.00

GENERAL LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

SPECIAL LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

INDUSTRIAL LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

COMMERCIAL LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

PUBLIC LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

STREET LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

MARINE LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

VEHICLE LIGHTING

The following rates are for the use of the Commercial and Industrial Rates and are subject to change without notice. These rates are for the use of the Commercial and Industrial Rates and are subject to change without notice.

Gas

In respect to gas - especially for industries - Newark is at present in a very bad position. The only gas available is natural gas, and the supply of this is exceedingly limited.

Natural gas has been piped from West Virginia, Utica, Ohio, Sugar Grove, Ohio, and some from local points. It is supplied by the Newark Natural Gas and Fuel Company. This is a subsidiary company of the Logan Natural Gas and Fuel Company, and acts simply as a distributing agent for the latter company, which controls the gas system and dictates what amount of gas shall be allowed to Newark.

Recently the gas supply has rapidly failed, and about a month and a half ago, orders were issued forbidding any use of natural gas by industries in Newark. Domestic use alone is permitted, and as a result the industries in Newark at present can secure no natural gas for fuel. Officials of the Newark Natural Gas and Fuel Company stated that it was their opinion that the use of natural gas would continue to be restricted to domestic uses, and that manufacturers would never be able to again count on a supply for fuel.

The present supply available for domestic uses runs from four to five million cubic feet a day, and all is being consumed. More could be used were it possible to obtain it.

The following is a copy of the last published rate schedule of the Newark Natural Gas and Fuel Co. Only the Class 1 rates are now in force.

Natural Gas Schedules March, 1, 1916.

Newark Natural Gas & Fuel Company

Domestic and Gas Engine Purposes - Class 1.

First two years from and after March 23, 1916.

29¢ per thousand cubic feet; less three cents per thousand cubic feet if paid on or before tenth day of month following month gas is used.

Next three years -

30¢ per thousand cubic feet less three cents per thousand cubic feet if paid on or before tenth day of month following month gas is used.

From and after expiration of said three year period until the expiration of the franchise (February 21, 1923)

33¢ per thousand cubic feet less three cents per thousand cubic feet if paid on or before tenth day of month following month gas is used.

Class 2.

Commercial and Industrial purposes -

First	100,000	cubic feet each month	22¢	net per 1,000 cu.ft.				
Next	300,000	" " "	18¢	" " "	"	"	"	"
Next	600,000	" " "	16¢	" " "	"	"	"	"
All Over	1,000,000	" " "	15¢	" " "	"	"	"	"

Consumers in this class using less than 100,000 cubic feet in any one month shall pay Class 1 rate.

Company reserves right at any time to cut off the supply of gas to consumers under this class in whole or in part.

Gas...#2.

Class 3.

Court Houses and County Jail	-	Class 2
Hospitals and Sanitariums	-	"
Churches, Y.M.C.A., Y.W.C.A.	-	"
Public and Parochial Schools	-	16¢ net per thousand
Employees of County	-	15¢ net per thousand.

Company reserves right at any time to
 out off the supply of gas to consumers under this class in
 whole or in part.

Street Lighting

Single Burner Street Lamp	-	\$ 6 per post per year
Double Burner	" "	10 " " " "
Quadruple	" "	15 " " " "
Triple	" "	20 " " " "

To be lighted at dusk and turned off at dawn.

In view of the cutting off of the natural
 gas supply from industrial uses, and the likelihood that this
 condition will remain the same, the question of freight rates
 on bituminous coal to Newark is very important. Manufacturers
 claim that the present rate is too high, and there is danger
 that some of these concerns may move from Newark.

The Baltimore and Ohio is interested in
 this matter as well as the city, for it is not certain that
 a concern moving from Newark would locate on the Baltimore
 and Ohio lines. It is recommended, therefore, that the coal
 rate question be carefully investigated.

Gas..f4.

One consideration involved is the bringing of the Toledo and Ohio Central Railroad into the city of Newark. At present the road (a New York Central subsidiary) comes within three miles of the city - passing through Central City. The idea is prevalent in Newark that by bringing the road into Newark, the coal rates would be reduced, because of the new competition. For this reason, there is a strong sentiment in the city in favor of the proposition. The introduction into the city of a new competitor, together with the danger of losing some industries because of the coal rates, make the question of vital interest to the Baltimore and Ohio Railroad.

Interurban Lines

Newark is served by the interurban line of the Ohio Electric Railway on the division extending from Columbus to Zanesville.

The line east from Newark runs through the following towns.

<u>Town</u>	<u>Miles from Newark</u>	<u>Fare from Newark</u>	
		<u>One Way</u>	<u>Round Trip</u>
Clay Lick	6.1 5.75 miles	15 10¢	20¢ 25
Hanover	7.3 7 "	20 15¢	35¢ 35
Black Hand	10.5 10.75 "	25 20¢	35¢ 49
Nashport	14.9 14.75 "	35 30¢	55¢ 70
Zanesville	27.6 27.06 "	65 50¢	95¢ 1.19

Line west from Newark -

Hebron	8.4 8.34 "	20 20¢	35¢ 35
Kirkersville	14.4 14.99 "	35 30¢	55¢ 59
Etna	18.0 19.61 "	49 40¢	75¢ 92
Reynoldsburg	25.5 25.92 "	55 50¢	95¢ 1.14
Columbus	36.1 36.94 "	70 65¢	\$1.20 1.30 ^{2.27}

Total mileage of interurban line - 64 miles.

Eight cars are operated regularly over the interurban line. The cars have a seating capacity of about sixty-five passengers.

Running Time -

To Zanesville -

Local - 1 hour ¹⁵ 10 minutes

Limited - ⁵⁵ 55 "

⁶⁰

To Columbus -

Local - 1 hour ⁵⁵ 35 minutes

Limited - 1 hour 10 "

⁵⁵ Via R. Lake Park

Interurban Lines...#2.

Service -

East to Zanesville -

First car leaves Newark 5.30 A.M.; next at 6:45 A.M.; then hourly up to and including 6:45 P.M.; then one car at 9:00 P.M. and one at 11:00 P.M.

West to Columbus -

First car leaves Newark at 6:00 A.M.; next at 7:20 A.M.; then hourly up to and including 7:20 P.M.; then one car at 9:20 p.m., and one at 11:20 P.M.

In addition to above, limited cars leave Newark each way (east to Zanesville, and west to Columbus) at 8 A.M., 11 A.M., 2 P.M. and 5 P. M.

Complete passenger schedules and running time sheets are attached.

Freight Service -

The interurban railway maintains a fast freight service on the Columbus - Zanesville branch.

Two freight cars a day are run over the entire line. In addition a trailer is run from Columbus to Newark in the morning, and one in the evening; and one trailer is run from Newark to Zanesville in the evening.

Freight rates from Newark to Columbus range from 8 to 9-1/2 cents per one hundred; to Zanesville from 4 to 8-1/2 cents per one hundred. A complete freight tariff is appended.

Express Service -

The Adams Express Company operates a service on the interurban line.

Local Street Railway

Newark's local street railway is operated by the Ohio Electric Railway Company. There are two city lines with transfer privilege from one to the other.

Main Street Line - Four Miles

Runs from Idlewilde Park to East Newark.

Cars operated (Seating capacity 40) Four Regular eight Saturdays and Special.

Headway - Fifteen minutes from 5 A.M. to 12:07 A. M.

In East Newark, east of Cedar Street a thirty minute headway is maintained.

Fourth Street Line - Two miles

Runs from Court House Square to Channel Street.

Cars operated (Seating Capacity 40) two Regular 4 Saturdays and special

Headway - Fifteen minutes from 5 A.M. to 12.07 A.M.

Total city mileage - Six miles

Fare on city lines 5¢; 6 for 25¢ (tickets)

Transfer from Main Street to Fourth Street line, and vice versa.

Newark - Granville Line - Eight Miles

Cars operated (Seating capacity 60) - Two

Headway, hourly from 3 A.M. to 12 Midnight.

Fares -

To Granville - 15¢

To Granville and Return - 25¢

Transfers from either of the city lines entitle passenger to ride on Newark - Granville Line, without extra charge, as far as the Country Club. For passengers transferring from city lines for Granville, extra charge of ten cents is made.



Ohio Electric Railway

"THE WAY TO GO"

COMPLETE
TIME TABLES
OF
LOCAL AND LIMITED
TRAINS

Between

Cincinnati, Columbus,
Toledo, Dayton,
Hamilton, Springfield,
Zanesville, Fort Wayne,
Lima, Richmond,
Newark, Bellefontaine,
Urbana, Union City,
Defiance

B. B. BELL, D. P. & F. A., Interurban Terminal Bldg., Columbus, Ohio. Phones: Bell, M. 4041; Home, 2265.	F. A. BURKHARDT, D. P. & F. A., Interurban Bldg., Lima, O. Phone: Main 4767.
J. S. WATERS, D. P. & F. A., Interurban Sta., Dayton, O. Phone: Bell, 4886.	W. S. WHITNEY, G. P. & F. A., Interurban Bldg., Springfield, O. Phones (Bell, 554, Home, 1342.



Ohio Electric Railway

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Urbana, Union City,
Defiance

B. B. BELL, D. P. & F. A., Interurban Terminal Bldg., Columbus, Ohio. Phones: Bell, M. 4041; Home, 2265.	F. A. BURKHARDT, D. P. & F. A., Interurban Bldg., Lima, O. Phone: Main 4767.
J. S. WATERS, D. P. & F. A., Interurban Sta., Dayton, O. Phone: Bell, 4886.	W. S. WHITNEY, G. P. & F. A., Interurban Bldg., Springfield, O. Phones (Bell, 554, Home, 1342.

ZANESVILLE-COLUMBUS-SPRINGFIELD-DAYTON-RICHMOND

	Lv	Ar	Lv	Ar	Lv	Ar	Lv	Ar	Lv	Ar
Zanesville	7:10	10:10	1:10	4:10						
Newark	8:00	11:00	2:00	5:00						
Columbus	9:10	12:10	3:10	6:10						
Columbus	7:20	7:30	17:20	17:30	7:20	7:30				
Springfield	8:10	10:50	1:50	4:50	8:50	4:50				
Springfield	8:55	10:55	1:55	4:55						
Dayton	9:45	11:45	2:45	5:45						
Dayton	8:00	12:00								
West Alexandria	8:44	17:44								
Eaton	8:55	12:55								
Richmond	9:35	1:35								
Richmond	9:40	1:40								
Cambridge City	10:09	2:09								
Dunreith	10:38	2:38								
Knightstown	10:48	2:47								
Greenfield	11:08	3:07								
Indianapolis	12:00	4:00								
	M	am	pm	pm	pm	pm				

*"The Indianapolis Limited." Runs through Zanesville to Indianapolis without change.
†"The Columbian." Runs through Indianapolis to Zanesville without change.

DAYTON-HAMILTON-CINCINNATI

	Lv	Ar	Lv	Ar	Lv	Ar	Lv	Ar
Dayton	7:00	10:00	1:00	4:00				
Miamisburg	7:30	10:30	1:30	4:30				
Middletown	7:58	10:58	1:58	4:58				
Hamilton	8:39	11:30	2:30	5:30				
Cincinnati	9:20	12:20	3:20	6:20				
	am	pm	pm	pm				

COLUMBUS-SPRINGFIELD-LIMA-Ft. WAYNE

	Lv	Ar	Lv	Ar	Lv	Ar	Lv	Ar
Columbus	7:20	9:20	12:20	3:20	5:20			
Springfield	8:50	10:50	1:50	4:50	6:50			
Springfield	7:05	9:05	11:05	2:05	5:05	7:05		
Urbana	7:34	9:34	11:34	2:34	5:34	7:34		
West Liberty	7:53	9:54	11:54	2:54	5:54	7:54		
Bellefontaine	8:16	10:11	12:11	3:11	6:11	8:11		
Russels Point	8:34	10:32	12:32	3:32	6:34	8:32		
Lake View	8:57	10:57	12:57	3:57	6:57	8:55		
Lima	9:10	11:10	1:10	4:10	7:10	9:15		
Lima	7:20	9:20	11:20	2:20	4:20	6:15	11:00	
Ottawa	7:57	9:57	12:07	2:57	4:57	9:00	11:45	
Leipsic	8:04	10:09	12:09	3:09	5:09	9:14	11:57	
Deshler	8:27	10:27	12:38	3:27	5:27	9:35	12:16	
Tontogany	8:58	10:58	1:11	3:58	5:57	10:04		
Toledo	9:35	11:35	1:59	4:35	6:35	10:45		
Lima	7:25	9:25	11:25	2:25	4:25	6:15	11:00	
Delphos	7:55	9:55	11:55	2:55	4:55	6:45	11:34	
Van Wert	8:23	10:23	12:30	3:23	5:23	9:15	12:03	
Ft. Wayne	9:37	11:37	1:55	4:37	6:40	10:40		
	am	am	pm	pm	pm	pm	am	

*Daily. †Daily, except Sunday.



CONDENSED SCHEDULES

COLUMBUS-SPRINGFIELD-DAYTON-RICHMOND-INDIANAPOLIS

	am	am	am	am	pm	pm		am	am	am	am	pm	pm
Indianapolis Lv	7 10	10 10	1 10		4 10							9 00	1 00
Greenfield Ar	8 00	11 00	2 00		5 00							9 51	1 51
Knightstown Ar	9 10	12 10	3 10		6 10							10 13	2 13
Dunreith Ar												10 23	2 23
Cambridge City Ar												10 51	2 51
Richmond Ar												11 25	3 25
Richmond Lv												11 30	3 30
Easton Ar												12 05	4 05
West Alexandria Ar												12 16	4 16
Dayton Ar												1 05	5 05
Dayton Lv	7 10							10 10	1 10	4 10	6 10		
Springfield Ar	8 03							11 03	2 03	5 03	7 03		
Springfield Lv	8 10	\$ 25						11 10	2 10	5 10	7 10		
Columbus Ar	9 35	10 55						12 35	3 35	6 35	8 35		
Columbus Lv	6 55	9 55						12 55	3 55				
Newark Ar	8 03	11 03						2 03	5 03				
Zanesville Ar	8 55	11 55						2 55	5 55				

Run through Zanesville to Indianapolis without change.
Run through Indianapolis to Zanesville without change.

DAYTON-HAMILTON-CINCINNATI

	am	am	pm	pm		am	am	pm	pm
Cincinnati Lv	7 00	10 00	1 00	4 00				7 55	9 55
Hamilton Ar	7 30	10 30	1 30	4 30				8 41	10 41
Ar	7 58	10 58	1 58	4 58				8 13	11 13
Lv	8 30	11 30	2 30	5 30				8 44	11 44
Ar	9 20	12 20	3 20	6 20				9 15	12 15

COLUMBUS-SPRINGFIELD-LIMA-FT. WAYNE-TOLEDO

	am	am	am	am	pm	pm	pm		am	am	am	am	pm	pm
Ft. Wayne Lv	7 20	9 20	12 20	3 20	5 20				7 20	9 20	11 20	2 20	4 20	
Van Wert Ar	8 50	10 50	1 50	4 50	6 50				8 34	10 34	12 44	3 34	5 34	
Dolphos Ar									8 58	10 58	1 13	3 58	5 58	
Lima Ar									9 30	11 30	1 50	4 30	6 30	
Toledo Lv	7 15	9 15	11 15	2 15	4 15				7 51	9 51	11 56	2 52	4 51	
Tontogany Ar	7 51	9 51	11 56	2 52	4 51				8 22	10 22	12 32	3 22	5 22	
Deshler Ar	8 40	10 40	12 55	3 40	5 40				8 40	10 40	12 55	3 40	5 40	
Leprie Ar	8 51	10 51	1 09	3 51	5 51				9 39	11 30	2 00	4 30	6 35	
Ottawa Ar	9 10	11 10	1 10	4 10	7 20	9 15			9 40	11 40	2 30	4 40	6 45	
Lima Lv	7 15	9 40	11 40	2 30	4 40	6 45			7 51	10 18	12 18	3 07	5 18	
Lake View Ar	7 54	10 21	12 21	3 11	5 23	7 32			8 16	10 46	12 46	3 37	5 46	
Russels Point Ar	8 31	10 58	12 58	3 50	6 00	8 27			8 31	10 58	12 58	3 50	6 00	
Bellefontaine Ar	8 50	11 20	1 20	4 10	6 20	8 25			9 20	11 52	1 48	4 35	6 48	
West Liberty Ar														
Urbana Ar														
Springfield Ar														
Springfield Lv	8 10	9 25	12 30	2 10	5 10	7 10								
Columbus Ar	9 35	10 55	2 40	3 35	6 35	8 35								

Sunday.

GENERAL INFORMATION

TIME.

The time herein is subject to change without notice, and is not guaranteed, nor does The Ohio Electric Railway Co. hold itself responsible for omissions or errors in the time given herein.

RATES FOR CHILDREN.

Children under five years of age, in charge of a competent person, will be carried free. Children over five and under twelve years of age will be charged half fare; over twelve, full fare.

BAGGAGE.

Baggage not exceeding 150 pounds in weight checked free on one full ticket and 75 pounds on one-half ticket. No baggage will be checked free where the one way fare is less than 25 cents.

Where the fare is less than 25 cents, agents will check baggage under the rule by collecting the difference between the ticket fare and 25 cents.

No single piece of baggage weighing over 250 pounds will be checked.

Baggage consists of wearing apparel or personal effects necessary for use and comfort of passengers, and may be checked in trunks, valises, safes, suit cases, boxes roped, with handles.

Sample cases, tool chests, packs and whip cases are not baggage, and when checked it is done as a matter of courtesy, and this company will not be responsible for any loss or damage to contents, reserving the right to refer such passengers to the Express Department.

EXCESS BAGGAGE.

Excess weight and size will be charged for at regular tariff rates, which are about sixteen per cent. of ticket rates per 100 pounds.

BICYCLES—Bicycles will be checked in Ohio free under the rules governing Free Baggage.

GO-CARTS—Go-Carts folded, in charge of owner, will be carried free.

DOGS—Dogs, when accompanied by owner or caretaker and provided with strong collar and chain, will be transported in baggage compartment of cars at owner's risk only. Charge will be the full, regular fare with minimum charge of 25 cents and maximum charge of 50 cents between any two points on this line. To obtain the benefit of this rate over two or more divisions, tickets must be purchased at ticket office.

DISPUTES

Agents and conductors are governed by the rules of this Company. In case of dispute with them, it is always best to pay the fare requested and refer the matter to the General Passenger Agent, who will promptly investigate and adjust any differences.

CONNECTIONS

Connections are made with other traction and steam lines as shown below:

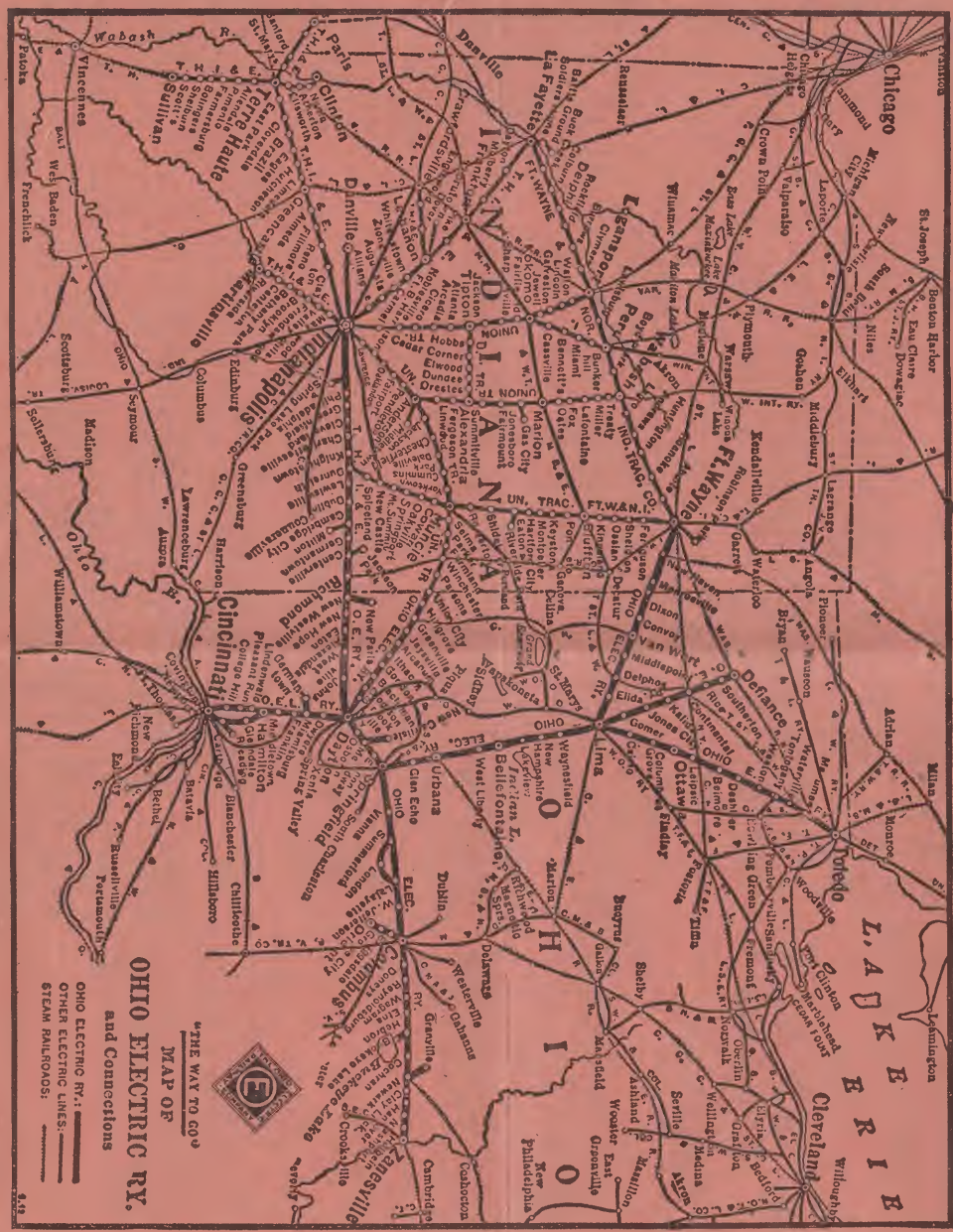
ARCANUM, O. C. C. & St. L. Ry.	HAMILTON, O. Ohio Trac. Co.
BELLEFONTAINE, O. C. C. & St. L. Ry. T. & O. C. Ry.	HEBRON, O. T. & O. C. Ry.
CINCINNATI, O. Electric Lines. Cin. & Cols. Tr. Co. C. G. & P. R. R. C. L. & A. Elcc. Co. C. M. & L. Tr. Co.	HUNTSVILLE, O. C. C. & St. L. Ry.
	JONES CITY, O. Nor. Ohio Ry.
	LAKE VIEW, O. T. & O. C. Ry.
	LEIPSI, O. N. Y. C. & St. L. R. R.
	LIMA, O. Electric Lines. West'n Ohio Ry.
	Steam Lines.
	C. & O. Ry.
	C. & M. V. R. R.
	C. N. O. & T. P. Ry.
	L. & N. R. R.
	N. & W. Ry.
COLUMBUS, O. Electric Lines. C. D. & M. Ry. Scioto Val. Tr. Co.	RICHMOND, IND. Electric Lines. T. H. I. & E. Tr. Co.
	Steam Lines. C. & O. Ry. G. R. & I. Ry.
	RUSSELS POINT, O. T. & O. C. Ry.
	SPRINGFIELD, O. Electric Lines. S. & X. Ry.
	N. & W. Ry.
	Ohio Cent. Lines.
CONTINENTAL, O. N. Y. C. & St. L. R. R. T. St. L. & W. R. R.	Wash. Trac. Co. Steam Lines. D. T. & I. Ry.
DAYTON, O. Electric Lines. D. T. Elec. Ry. D. C. & P. Tr. Co. D. S. & X. S. Ry.	TOLEDO, O. D. M. & T. Ry. Lake Shore El. Co. T. & I. T. Co. T. & W. R. R. T. B. G. & S. Tr. Co. N. O. R. & P. Co.
	With diverging Steam Lines.
DELPHOS, O. C. H. & D. Ry. Nor. Ohio Ry.	TONTOGANY, O. L. E. B. G. & N. Ry.
	UNION CITY, IND. Electric Lines. Union Tr. Co.
	Steam Lines.
FT. WAYNE, IND. Electric Lines. F. W. & N. I. Tr. Co. Ft. W. & S. Ry. Ft. W. & N. Ry.	C. C. & St. L. Ry. P. C. & St. L. Ry.
	URBANA, O. Eric R. R.
	P. C. C. & St. L. Ry.
	VAN WERT, O. Cin. Nor. R. R.
	W. ALEXANDRIA, O.
	ZANESVILLE, O. Electric Lines. S. E. O. Ry.
	Steam Lines. B. & O. R. R. C. & M. V. R. R. C. A. & C. Ry. O. R. & W. Ry. W. & L. E. R. R. Z. & W. Ry.

D. P. & F. A., Interurban Sta., Dayton, O. Phone: Bell, 4886.
 G. P. & F. A., Interurban Bldg., Springfield, O. Phone: (Bell, 554, Home, 1342).
 D. P. & F. A., Interurban Sta., Dayton, O. Phone: Bell, 4886.
 G. P. & F. A., Interurban Bldg., Springfield, O. Phone: (Bell, 554, Home, 1342).

Delphos	Ar	7 25	11 37	12 30	5 23	6 23	9 15	12 03	Springfield	Lv	8 10	9 25
Van Wert	Ar	9 37	11 37	1 55	4 37	6 40	10 40		Columbus	Ar	9 35	10 50
Ft. Wayne	Ar											

*Daily. †Daily, except Sunday.

Req.-92752. (50,000.)



MAP OF OHIO ELECTRIC RAILWAY AND CONNECTIONS

Mil	NORTHBOUND																			
0	Cincinnati	Lv																		
6	College Hill		*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
8	Mt. Healthy																			
11	New Burlington																			
14	Pleasant Run																			
16	Symmes																			
18	Lindenwald																			
21	Hamilton																			
23	Ohlinger's																			
25	Overpeck's																			
27	Busenbark																			
31	Trenton																			
37	Middletown																			
39	Franklin																			
43	Chautauqua																			
46	Miamisburg																			
47	West Carrollton																			
51	Alexandersville																			
54	Carrmonte																			
54	Dayton	Ar	5 15	5 40	5 55	6 15	6 45	7 15	7 45	8 15	8 45	9 15	9 45	10 15	10 45	11 15	11 45	12 15	12 45	1 15

Mil	SOUTHBOUND																			
0	Dayton	Lv																		
3	Carrmonte		*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
5	Alexandersville																			
8	West Carrollton																			
12	Miamisburg																			
15	Chautauqua																			
18	Franklin																			
24	Middletown																			
28	Trenton																			
30	Busenbark																			
31	Overpeck's																			
34	Ohlinger's																			
36	Hamilton																			
38	Lindenwald																			
41	Symmes																			
43	Pleasant Run																			
46	New Burlington																			
48	Mt. Healthy																			
50	College Hill																			
54	Cincinnati	Ar	5 25	5 55	6 25	6 55	7 25	7 55	8 25	8 55	9 25	9 55	10 25	10 55	11 25	11 55	12 25	12 55	1 25	1 55

Trains leave West Miamisburg for Germantown at 5:15, 6:15, 8:25 and 10:25 a. m. and 12:45, 2:25, 4:25, 6:25. Connections at Franklin for Red Lion and Lebanon. Baggage cannot be handled to Germantown.

SPECIAL CARS.—Cars for special parties furnished on short notice.

O. E. Ry. \$5.00 COUPON
 pons, and is good for bearer or over all divisions of this line.

NORTHBOUND

CINCINNATI—DAYTON—SPRINGFIELD

Mil	STATIONS	102	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	
0	Springfield.....Lv	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
8	Bowling Green.....	6 30	6 10	7 05	7 10	8 05	8 10	9 05	9 10	10 05	10 10	11 05	12 10	12 10	1 10	2 05	3 10	4 10	5 05	6 10	7 05
14	Urbana.....	6 45	7 34	8 45	9 34	10 45	11 34	12 45	1 34	2 45	3 34	4 45	5 34	6 45	7 34	8 45	9 34	10 45	11 34	12 45	1 34
24	West Liberty.....	7 12	7 55	9 12	9 54	11 12	11 54	1 12	1 54	2 12	2 54	3 12	3 54	4 12	4 54	5 12	5 54	6 12	6 54	7 12	7 54
32	Bellefontaine.....	6 00	7 33	8 16	9 33	10 11	11 33	12 11	1 33	2 11	3 33	4 11	5 33	6 11	7 30	8 11	9 05	10 11	11 05	12 11	1 05
39	Huntsville.....	6 13	7 48	8 27	9 48	10 24	11 48	12 24	1 48	2 48	3 22	4 48	5 54	6 24	7 44	8 23	9 05	10 08	11 08	12 08	1 08
44	Russells Point.....	6 24	8 03	8 34	10 00	10 32	12 00	12 32	2 00	3 00	3 32	5 00	6 04	6 34	7 55	8 32	9 05	10 08	11 08	12 08	1 08
45	Lake View.....	6 28	8 08	8 37	10 05	10 37	12 05	12 37	2 05	3 07	3 37	5 05	6 08	6 38	7 59	8 35	9 05	10 08	11 08	12 08	1 08
51	New Hampshire.....	6 39	8 20	8 44	10 20	10 44	12 20	12 44	2 15	3 19	3 44	5 14	6 17	6 47	8 10	8 44	9 14	10 17	11 17	12 17	1 17
54	Waynesfield.....	6 45	8 28	8 48	10 28	10 48	12 28	12 48	2 22	3 28	3 48	5 18	6 21	6 51	8 15	8 50	9 15	10 18	11 18	12 18	1 18
59	South Warsaw.....	6 55	8 38	9 00	10 38	11 00	12 38	1 00	2 29	3 38	4 00	5 34	6 37	7 07	8 33	9 00	9 20	10 23	11 23	12 23	1 23
66	Lima.....Ar	7 15	8 58	9 10	10 55	11 10	12 55	1 10	2 50	3 55	4 10	5 55	6 58	7 20	8 45	9 15	9 35	10 38	11 38	12 38	1 38

fStops on flag at Huntsville to take passengers for points beyond Lima, and to leave passengers from Springfield or points beyond; at New Hampshire and Waynesfield to take passengers holding through tickets to Delphos, O., Kalida, O., Columbus Grove, O., or points beyond, and to leave passengers from Springfield or points beyond.

Mil	STATIONS	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
0	Lima.....Lv	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
1	Grand Ave. Jct.....	6 00	7 20	8 00	9 20	10 00	11 20	12 20	2 20	3 00	4 20	5 30	6 50	8 15	9 40	11 00
4	State Hospital.....	6 06	7 26	8 06	9 26	10 06	11 26	12 26	2 26	3 06	4 26	5 36	6 56	8 21	9 46	11 06
7	Cairo.....	6 11	7 29	8 11	9 29	10 11	11 31	12 31	3 02	3 11	4 29	5 39	6 59	8 24	9 49	11 09
13	Columbus Grove.....	6 19	7 36	8 19	9 36	10 19	11 36	12 36	3 08	3 17	4 35	5 45	7 05	8 30	9 55	11 15
20	Ottawa.....	6 50	7 57	8 54	9 57	10 54	12 07	2 04	2 57	3 54	4 57	6 22	9 00	11 45	1 45	2 45
26	Leipsic.....	7 05	8 09	9 08	10 09	11 08	12 20	2 18	3 09	4 08	5 09	6 35	9 14	11 57	1 57	2 57
31	Belmore.....	7 15	8 18	9 18	10 18	11 18	12 29	2 28	3 18	4 18	5 19	6 45	9 24	12 06	1 06	2 06
35	Deshler.....	6 22	7 28	8 27	9 28	10 27	11 28	12 38	2 36	3 27	4 28	5 27	6 53	9 35	12 15	1 15
42	Custar.....	6 36	7 42	8 38	9 42	10 38	11 44	12 51	2 53	3 38	4 42	5 38	7 12	9 47	1 47	2 47
43	Milton.....	6 38	7 44	8 40	9 44	10 40	11 46	12 53	2 55	3 40	4 44	5 40	7 14	9 49	1 49	2 49
47	Weston.....	6 45	7 51	8 46	9 51	10 46	11 54	1 00	3 03	3 46	4 51	5 46	7 21	9 55	1 55	2 55
53	Tontogany.....	6 59	8 05	8 58	9 05	10 58	12 09	1 11	3 16	3 58	5 05	6 05	7 33	10 06	2 06	3 06
55	Haskins Road.....	7 04	8 10	9 02	10 10	11 02	12 14	1 15	3 23	4 06	5 10	6 10	7 39	10 11	2 11	3 11
58	Waterville.....	6 17	7 10	8 17	9 07	10 17	11 07	12 20	2 20	3 30	4 07	5 16	6 07	7 45	10 16	2 16
64	Maumee.....	6 31	7 22	8 19	9 17	10 31	11 17	12 32	2 33	3 41	4 17	5 28	6 17	7 57	10 26	2 26
72	Toledo.....Ar	6 48	7 42	8 48	9 35	10 48	11 35	12 48	2 50	3 58	4 35	5 48	6 35	8 15	10 45	2 45

fStops on flag at Cairo to take Toledo passengers and to leave passengers holding through tickets from Lake View, O., Delphos, O., Kalida, O., or points beyond; at Belmore to leave passengers holding through tickets from Lake View, O., Delphos, O., Kalida, O., or points beyond; at Custar and Milton to take Toledo passengers, and to leave passengers from Lima or points beyond; at Maumee to take or leave passengers for or from all regular stops.

WESTBOUND

LIMA—FT. WAYNE

Mil	STATIONS	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29
0	Lima.....Lv	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
1	Grand Ave. Jct.....	6 05	7 25	8 05	9 25	10 05	11 25	1 15	2 25	3 05	4 25	5 30	6 50	8 15	9 40	11 00
7	Elida.....	6 24	7 40	8 21	9 40	10 21	11 41	1 31	2 40	3 27	4 40	5 50	7 00	8 21	9 46	11 06
11	Scott's Crossing.....	6 31	7 47	8 34	9 51	10 34	11 47	1 37	2 46	3 34	4 46	5 56	7 06	8 27	9 52	11 12
15	Delphos.....	6 45	7 55	8 47	9 55	10 47	11 56	1 50	2 55	3 47	4 55	6 10	7 20	8 41	9 56	11 16
21	Middlepoint.....	7 00	8 09	9 02	10 09	11 02	12 10	2 02	3 09	4 02	5 09	6 22	7 32	8 53	10 08	11 28
29	Van Wert.....	6 20	7 20	8 23	9 20	10 23	11 20	12 20	2 20	3 23	4 20	5 23	6 40	8 00	9 15	10 35
36	Convoy.....	6 36	7 40	8 40	9 40	10 40	11 38	12 49	2 40	3 40	4 40	5 40	6 57	8 12	9 32	10 52
42	Dixon.....	6 46	7 52	8 50	9 52	10 50	11 49	1 50	2 52	3 50	4 52	5 50	7 08	8 22	9 42	11 02
46	Monroeville.....	5 42	6 57	8 05	9 05	10 05	11 09	1 08	2 05	3 05	4 05	5 05	6 17	7 31	8 51	10 11
58	New Haven.....	6 05	7 16	8 30	9 18	10 30	11 18	12 20	2 30	3 30	4 18	5 30	6 20	7 36	8 56	10 16
65	Ft. Wayne.....Ar	6 30	7 50	8 55	9 37	10 55	11 37	12 45	1 55	2 55	3 55	4 55	6 40	8 00	9 20	10 40

4 LIMITED TRAINS 4
DAILY
LIMA to FT. WAYNE

fStop on flag to take or leave passengers for or from Lima and Ft. Wayne or points beyond.

NORTHBOUND

LIMA—DEFIANCE

SOUTHBOUND

Mil	STATIONS	202	204	206	208	210	212
0	Lima.....Lv	7 35	10 35	1 35	4 35	8 15	11 00
1	Grand Ave. Jct.....	7 41	10 41	1 41	4 41	8 21	11 06
8	Gomer.....	7 58	11 01	2 01	5 01	8 38	11 22
11	Jones City.....	8 08	11 08	2 08	5 08	8 45	11 29
18	Kalida.....	8 26	11 24	2 24	5 24	9 01	11 45
21	Dornington.....	8 32	11 30	2 30	5 30	9 07	11 51
27	Continental.....	8 44	11 42	2 42	5 42	9 20	12 05
33	Southern.....	8 58	11 55	2 55	5 55	9 34	12 19
40	Defiance.....Ar	9 15	12 12	3 12	6 12	9 50	12 35

Mil	STATIONS	201	203	205	207	209	211
0	Defiance.....Lv	7 00	9 20	12 20	3 20	6 20	9 20
7	Southern.....	7 17	9 37	12 37	3 37	6 37	9 37
13	Continental.....	7 32	9 52	12 52	3 52	6 52	9 52
19	Dornington.....	7 44	10 04	1 04	4 04	7 04	10 04
22	Kalida.....	6 16	7 50	10 10	1 10	4 10	7 10
29	Jones City.....	6 32	8 08	10 27	1 27	4 27	7 27
32	Gomer.....	6 40	8 18	10 35	1 35	4 35	7 35
39	Grand Ave. Jct.....	6 56	8 35	10 52	1 52	4 52	7 52
40	Lima.....Ar	7 05	8 45	11 05	2 05	5 05	8 05

"The Indianapolis Limited"

RUNS THROUGH ZANESVILLE TO INDIANAPOLIS—Daily except Sunday
COLUMBUS TO INDIANAPOLIS—Daily

A RUN OF 248 MILES WITHOUT CHANGE OF CARS

WESTBOUND

ZANESVILLE—COLUMBUS—SPRINGFIELD

Mil	STATIONS	1	3	5	175	7	9	11	177	13	15	17	179	19	21	23	181	25	27	29	31	33	
0	Zanesville.....Lv	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
13	Nashport.....	5 00	6 00	7 10	7 00	8 00	9 00	10 10	10 00	11 00	12 00	1 10	1 00	2 00	3 00	4 10	4 00	5 00	6 00	7 00	8 00	9 00	10 00
18	Black Hand.....	5 26	6 36	7 46	7 38	8 38	9 36	10 46	10 36	11 38	12 36	1 46	1 36	2 36	3 36	4 46	4 36	5 36	6 36	7 36	8 36	9 36	10 36
21	Hanover.....	5 34	6 45	7 55	7 45	8 45	9 45	10 55	10 45	11 45	12 45	1 55	1 45	2 45	3 45	4 55	4 45	5 45	6 45	7 45	8 45	9 45	10 45
22	Clay Lick.....	5 41	6 52	8 02	7 52	8 52	9 52	10 52	10 52	11 52	12 52												

flag at Huntsville to
ers for points beyond
to leave passengers
eld or points beyond;
psshire and Waynes-
passengers holding
ets to Delphos, O.,
Columbus Grove, O.,
eyond, and to leave
from Springfield or
d.

Table with columns: Mil, STATIONS, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79. Rows include Toledo, Maumee, Watervilla, Haskins Road, Tontogany, Weston, Milton, Custar, Deshler, Belmore, Leipsic, Ottawa, Columbus Grove, Cairo, State Hospital, Grand Ave. Jct, Lima.

fStops on flag at Maumee to take or
leave passengers for or from all regular
stops; at Milton and Custar to take pas-
sengers for Lima and points beyond, and
to leave Toledo passengers; at Cairo to
take passengers holding through tickets
to Lake View, O., Delphos, O., Kalida,
O., or points beyond, and to leave Toledo
passengers.

Cairo to take Toledo
ave passengers hold-
ing tickets from Lake View,
a, O., or points be-
yond to leave passen-
gers from Lake View,
Kalida, O., or points
beyond and Milton to take
and to leave passen-
ger points beyond; at
to leave passengers for
stops.

Table with columns: Mil, STATIONS, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137. Rows include Lima, South Warsaw, Waynesfield, New Hampshire, Lake View, Russels Point, Huntsville, Bellofontaine, West Liberty, Urbana, Bowlsville, Springfield.

fStops on flag at Waynesfield
and New Hampshire to take pas-
sengers for Springfield and points
beyond, and to leave passengers
holding through tickets from
Delphos, O., Kalida, O., Colum-
bus Grove, O., or points beyond;
at Huntsville to take passengers
for Springfield or points beyond,
and to leave passengers from be-
yond Lima.

TRAINS 4
WAYNE

FT. WAYNE—LIMA

EASTBOUND

Table with columns: Mil, STATIONS, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30. Rows include Ft. Wayne, New Haven, Monroeville, Dixon, Convoy, Van Wert, Middlepoint, Delphos, Scott's Crossing, Elida, Grand Ave. Jct, Lima.

4 LIMITED 4
DAILY
Fort Wayne
to Lima

fStop on flag to take or leave passengers for or from Lima and Ft. Wayne or points beyond.

Dayton=Columbus Division
LIMITED TRAINS
RUN DAILY

"The Columbian"

RUNS THROUGH INDIANAPOLIS TO COLUMBUS—Daily
INDIANAPOLIS TO ZANESVILLE—Daily except Sunday
SEE CONDENSED SCHEDULE FOR TIME OF TRAINS

COLUMBUS—SPRINGFIELD—DAYTON—RICHMOND

EASTBOUND

Table with columns: Mil, STATIONS, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94. Rows include Richmond, New Westville, New Hope, Eaton, West Alexandria, Johnsville, New Lebanon, Dayton.

xAll New Paris Branch trains connect with Main Line local trains at New Westville Junction.

Table with columns: Mil, STATIONS, 2, 4, 6, 8, 10, 174, 176, 12, 14, 16, 178, 18, 20, 22, 180, 24, 26, 28, 182, 30, 32, 184, 34, 36, 38, 40. Rows include Dayton, Fairfield, Osborn, Carlsale Jct, Medway.

A RUN OF 248 MILES WITHOUT CHANGE OF CARS

ZANESVILLE—COLUMBUS—SPRINGFIELD—DAYTON

WESTBOUND

Mil	STATIONS	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	Mil	STATIONS
0	Zanesville Lv	5:00	6:00	7:10	8:00	9:00	10:10	11:00	12:00	1:10	2:00	3:00	4:10	5:00	6:00	7:00	8:00	9:00	0	Richmond
13	Nashport	5:26	6:36	7:38	8:38	9:36	10:46	11:38	12:36	1:46	2:36	3:36	4:46	5:36	6:36	7:36	8:36	9:36	11	New Westville
18	Black Hand	5:34	6:44	7:46	8:46	9:44	10:54	11:46	12:44	1:54	2:44	3:44	4:54	5:44	6:44	7:44	8:44	9:44	16	New Hope
21	Hanover	5:41	6:52	7:52	8:52	9:52	10:52	11:52	12:52	2:02	2:52	3:52	4:52	5:52	6:52	7:52	8:52	9:52	16	Eaton
22	Clay Lick	5:43	6:55	7:55	8:55	9:55	10:55	11:55	12:55	2:05	2:55	3:55	4:55	5:55	6:55	7:55	8:55	9:55	22	West Alexandria
28	Newark Ar	5:57	7:15	8:15	9:15	10:15	11:15	12:15	1:15	2:15	3:15	4:15	5:15	6:15	7:15	8:15	9:15	11:20	28	Johnsville
29	Newark Lv	6:00	7:20	8:20	9:20	10:20	11:20	12:20	1:20	2:20	3:20	4:20	5:20	6:20	7:20	8:20	9:20	11:20	29	New Lebanon
37	Hebron	6:23	7:45	8:45	9:45	10:45	11:45	12:45	1:45	2:45	3:45	4:45	5:45	6:45	7:45	8:45	9:45	11:42	37	Dayton
42	Kirkersville	6:33	7:56	8:56	9:56	10:56	11:56	12:56	1:56	2:56	3:56	4:56	5:56	6:56	7:56	8:56	9:56	11:51	42	
47	Etna	5:20	6:40	8:04	9:04	10:04	11:04	12:04	1:04	2:04	3:04	4:04	5:04	6:04	7:04	8:04	9:04	10:04	11:58	
50	Wagram	5:24	6:44	8:10	9:10	10:10	11:10	12:10	1:10	2:10	3:10	4:10	5:10	6:10	7:10	8:10	9:10	10:10	12:03	
54	Reynoldsburg	5:30	6:50	8:17	9:17	10:17	11:17	12:17	1:17	2:17	3:17	4:17	5:17	6:17	7:17	8:17	9:17	10:17	12:08	
64	Columbus Ar	6:05	7:30	8:55	9:55	10:55	11:55	12:55	1:55	2:55	3:55	4:55	5:55	6:55	7:55	8:55	9:55	12:45		

Granville trains leave Newark for Granville at 5:00 a. m. and hourly thereafter until 10:00 p. m., then 11:15 p. m., and leave Granville for Newark at 5:30 a. m. and every hour thereafter until 10:30 p. m., then 11:40 p. m. First train each way annulled on Sunday. Bucyke Lake trains leave Hebron at 6:45 a. m. and every half hour thereafter until 7:15 p. m. and leave Bucyke Lake or Hebron at 7:00 a. m. and every half hour thereafter until 7:30 p. m.

Mil	STATIONS	1	209	3	5	7	9	11	173	13	15	175	17	19	21	177	23	25	27	179	29	31	181	33	183	35	37	39	Mil	STATIONS			
0	Columbus Lv	5:01	5:00	6:05	7:05	8:05	9:05	10:05	11:05	12:05	1:05	2:05	3:05	4:05	5:05	6:10	7:20	8:30	9:03	11:30											18	Donnelsville	
9	Rome	5:01	5:00	6:05	7:05	8:05	9:05	10:05	11:05	12:05	1:05	2:05	3:05	4:05	5:05	6:10	7:20	8:30	9:03	11:30											20	Enon	
11	Alton	5:06	5:05	6:10	7:10	8:10	9:10	10:10	11:10	12:10	1:10	2:10	3:10	4:10	5:10	6:15	7:25	8:35	9:08	11:35											22	Durbin	
14	Darby	5:11	5:10	6:15	7:15	8:15	9:15	10:15	11:15	12:15	1:15	2:15	3:15	4:15	5:15	6:20	7:30	8:40	9:13	11:40											27	Springfield Ar	
15	W. Jefferson	5:15	5:14	6:19	7:19	8:19	9:19	10:19	11:19	12:19	1:19	2:19	3:19	4:19	5:19	6:24	7:34	8:44	9:17	11:44											33	Springfield Lv	
23	Lafayette	5:27	5:26	6:31	7:31	8:31	9:31	10:31	11:31	12:31	1:31	2:31	3:31	4:31	5:31	6:36	7:46	8:56	9:29	11:56												37	Vienna
28	London	5:37	5:36	6:41	7:41	8:41	9:41	10:41	11:41	12:41	1:41	2:41	3:41	4:41	5:41	6:46	7:56	9:06	9:39	12:06												40	Brighton
32	Summerford	6:12	6:11	7:16	8:16	9:16	10:16	11:16	12:16	1:16	2:16	3:16	4:16	5:16	6:21	7:31	8:41	9:14	11:41													44	Summerford
35	Brighton	5:25	5:24	6:29	7:29	8:29	9:29	10:29	11:29	12:29	1:29	2:29	3:29	4:29	5:29	6:34	7:44	8:54	9:27	11:54												52	London
38	Vienna	5:30	5:29	6:34	7:34	8:34	9:34	10:34	11:34	12:34	1:34	2:34	3:34	4:34	5:34	6:39	7:49	9:02	9:35	12:02												58	Lafayette
42	Harmony	5:40	5:39	6:44	7:44	8:44	9:44	10:44	11:44	12:44	1:44	2:44	3:44	4:44	5:44	6:49	7:59	9:12	9:45	12:12												59	W. Jefferson
49	Springfield Ar	6:07	6:06	7:11	8:11	9:11	10:11	11:11	12:11	1:11	2:11	3:11	4:11	5:11	6:16	7:26	8:36	9:09	11:36													61	Darby
53	Springfield Lv	5:25	5:24	6:29	7:29	8:29	9:29	10:29	11:29	12:29	1:29	2:29	3:29	4:29	5:29	6:34	7:44	8:54	9:27	11:54												64	Alton
56	Durbin	5:44	5:43	6:48	7:48	8:48	9:48	10:48	11:48	12:48	1:48	2:48	3:48	4:48	5:48	6:53	8:03	9:13	9:46	12:13												66	Rome
58	Enon	5:51	5:50	6:55	7:55	8:55	9:55	10:55	11:55	12:55	1:55	2:55	3:55	4:55	5:55	7:05	8:15	9:25	9:58	12:25												75	Columbus Ar
60	Medway	4:51	5:51	6:56	7:56	8:56	9:56	10:56	11:56	12:56	1:56	2:56	3:56	4:56	5:56	7:06	8:16	9:26	9:59	12:26													

xAll New Carlisle Branch trains connect with Main Line local trains at Carlisle Junction.
 oColumbus-Lima-Toledo limited. Change cars at Springfield for Dayton.
 fStop on flag at West Jefferson to take passengers for points beyond Springfield and to leave passengers from points beyond Columbus; at Osborn, to take passengers for points beyond Dayton and to leave passengers from beyond Springfield.
 lIndianapolis Limited.

Mil	STATIONS
0	Richmond
6	New Westville
11	New Hope
16	Eaton
22	West Alexandria
28	Johnsville
29	New Lebanon
37	Dayton

xAll New Paris Branch
 Mil STATIONS 2 4
 0 Dayton...Lv iam
 10 Fairfield...
 12 Osborn...
 15 xCarlisle Jct...
 15 Medway...
 18 Donnelsville...
 20 Enon...
 22 Durbin...
 27 Springfield Ar...
 33 Springfield Lv...
 37 Harmony...
 40 Vienna...
 40 Brighton...
 44 Summerford...
 48 London...
 52 Lafayette...
 59 W. Jefferson...
 61 Darby...
 64 Alton...
 66 Rome...
 75 Columbus Ar...
 xAll New Carlisle Branch
 fStop on flag at West Jefferson to take passengers for points beyond Springfield and to leave passengers from beyond Springfield.
 oChange cars at Springfield

Mil	STATIONS
0	Columbus
11	Reynoldsburg
15	Wagram
18	Etna
22	Kirkersville
28	Hebron
28	Newark
43	Newark
43	Clay Lick
44	Hanover
47	Black Hand
51	Nashport
64	Zanesville

Granville trains leave thereafter until 10:30 p. m. and every hour thereafter until 7:15 p. m. and leave Bucyke Lake or Hebron at 7:00 a. m. and every half hour thereafter until 7:30 p. m.

WESTBOUND

Mil	STATIONS	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	Mil	STATIONS	
0	Dayton Lv	6:00	7:00	8:00	9:00	10:00	11:00	12:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00			0	Union City
4	Fairview	6:17	7:17	8:17	9:17	10:17	11:17	12:17	1:17	2:17	3:17	4:17	5:17	6:17	7:17	8:17	9:17	10:17	11:17	12:17			4	Hill Grove
5	Fl. McKinley	6:21	7:21	8:21	9:21	10:21	11:21	12:21	1:21	2:21	3:21	4:21	5:21	6:21	7:21	8:21	9:21	10:21	11:21	12:21			9	Coletown
13	Taylorburg	6:32	7:32	8:32	9:32	10:32	11:32	12:32	1:32	2:32	3:32	4:32	5:32	6:32	7:32	8:32	9:32	10:32	11:32	12:32			13	Greenville
19	Clayton	6:42	7:42	8:42	9:42	10:42	11:42	12:42	1:42	2:42	3:42	4:42	5:42	6:42	7:42	8:42	9:42	10:42	11:42	12:42			19	Jaysville
16	Brookville	6:49	7:49	8:49	9:49	10:49	11:49	12:49	1:49	2:49	3:49	4:49	5:49	6:49	7:49	8:49	9:49	10:49	11:49	12:49			20	Abbottsville
18	Dodson	6:54	7:54	8:54	9:54	10:54	11:54	12:54	1:54	2:54	3:54	4:54	5:54	6:54	7:54	8:54	9:54	10:54	11:54	12:54			24	Arcanum
19	Bachman	6:56	7:56	8:56	9:56	10:56	11:56	12:56	1:56	2:56	3:56	4:56	5:56	6:56	7:56	8:56	9:56	10:56	11:56	12:56			28	Ithaca
20	Wengerlawn	6:58	7:58	8:58	9:58	10:58	11:58	12:58	1:58	2:58	3:58	4:58	5:58	6:58	7:58	8:58	9:58	10:58	11:58	12:58			31	Gordon
22	Verona	6:53	7:53	8:53	9:53	10:53	11:53	12:53	1:53	2:53	3:53	4:53	5:53	6:53	7:53	8:53	9:53	10:53	11:53	12:53			33	Verona
25	Gordon	6:08	7:08	8:08	9:08	10:08	11:08	12:08	1:08	2:08	3:08	4:08	5:08	6:08	7:08	8:08	9:08	10:08	11:08	12:08			35	Wengerlawn
27	Ithaca	6:15	7:15	8:15	9:15	10:15	11:15	12:15	1:15	2:15	3:15</													

INDIANAPOLIS TO ZANESVILLE—Daily except Sunday

SEE CONDENSED SCHEDULE FOR TIME OF TRAINS

BUS—SPRINGFIELD—DAYTON—RICHMOND

EASTBOUND

Mil	STATIONS	50	52	54	56	58	60	62	64	66	168	70	72	74	76	178	80	82	84	86	88	90	92	94
0	Richmond Lv	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am	*am
6	New Westville				6 20	7 20	8 20	9 20			11 20	11 30	12 20	1 20	2 20	3 20	4 20	5 20	6 20	7 20	8 20	9 00	10 00	11 00
11	New Hope				6 48	7 48	8 48	9 48			11 48	12 48	1 48	2 48	3 48	4 48	5 48	6 48	7 48	8 48	9 00	10 00	11 00	
16	Eaton		5 21		6 55	7 55	8 55	9 55			12 11	12 05	1 11	2 11	3 11	4 11	5 11	6 11	7 11	8 11	9 30	10 30	11 30	
22	West Alexandria	4 47	5 36	6 26	7 26	8 26	9 26	10 26	11 26	12 26	12 16	1 26	2 26	3 26	4 26	5 26	6 26	7 26	8 26	9 59	10 59	11 59	12 33	
28	Johnsville	5 04	5 53	6 43	7 43	8 43	9 43	10 43	11 43	12 43		1 43	2 43	3 43	4 43		5 43	6 43	7 43					
29	New Lebanon	5 07	5 56	6 46	7 46	8 46	9 46	10 46	11 46	12 46		1 46	2 46	3 46	4 46		5 46	6 46	7 46					
40	Dayton Ar	5 50	6 45	7 35	8 35	9 35	10 35	11 35	12 35	1 35	0 05	2 35	3 35	4 35	5 35	0 05	6 35	7 35	8 35					

xAll New Paris Branch trains connect with Main Line local trains at New Westville Junction.

Mil	STATIONS	2	4	6	8	10	174	176	12	14	16	178	18	20	22	180	24	26	28	182	30	32	184	34	36	38	40
0	Dayton Lv								8 00	9 00	10 00	10 10	11 00	12 00	1 00	1 10	2 00	3 00	4 00	5 00	6 10	7 10	8 10	9 00	10 00	11 00	12 30
10	Fairfield								8 35	9 35	10 35	10 45	11 35	12 35	1 35	1 45	2 35	3 35	4 35	5 35	6 45	7 45	8 45	9 35	10 35	11 35	12 48
12	Osborn								8 53	9 53	10 53	10 58	11 48	12 48	1 48	1 58	2 48	3 48	4 48	5 48	6 58	7 58	8 58	9 48	10 48	11 48	12 58
15	Carlisle Jct.								9 09	10 09	11 09	11 12	12 09	1 09	1 12	2 09	3 09	4 09	5 09	6 09	7 09	8 09	9 09	10 09	11 09	12 58	
18	Medway								9 25	10 25	11 25	11 32	12 25	1 25	1 32	2 25	3 25	4 25	5 25	6 25	7 25	8 25	9 25	10 25	11 25	12 58	
18	Donnelsville								9 55	10 55	11 55	11 58	12 55	1 55	2 00	2 55	3 55	4 55	5 55	6 55	7 55	8 55	9 55	10 55	11 55		
20	Enon								10 10	11 10	12 10	12 15	1 10	1 15	2 10	3 10	4 10	5 10	6 10	7 10	8 10	9 10	10 10	11 10	12 58		
22	Durbin								10 26	11 26	12 26	12 31	1 26	1 31	2 26	3 26	4 26	5 26	6 26	7 26	8 26	9 26	10 26	11 26	12 58		
27	Springfield Ar								10 41	11 41	12 41	12 46	1 41	1 46	2 41	3 41	4 41	5 41	6 41	7 41	8 41	9 41	10 41	11 41	12 58		
33	Springfield Lv	5 30	6 30	7 30	8 30	9 30	10 30	11 30	12 30	1 30	2 30	2 10	3 30	4 30	5 30	6 10	7 30	8 30	9 30	10 30	11 30	12 30					
37	Harmony	5 50	6 50	7 50	8 50	9 50	10 50	11 50	12 50	1 50	2 50	2 30	3 50	4 50	5 50	6 50	7 50	8 50	9 50	10 50	11 50	12 50					
37	Vienna	5 59	6 59	7 59	8 59	9 59	10 59	11 59	12 59	1 59	2 59	2 39	3 59	4 59	5 59	6 59	7 59	8 59	9 59	10 59	11 59	12 59					
40	Brighton	6 04	7 04	8 04	9 04	10 04	11 04	12 04	1 04	2 04	3 04	2 40	3 04	4 04	5 04	6 04	7 04	8 04	9 04	10 04	11 04	12 04					
44	Summerford	6 12	7 12	8 12	9 12	10 12	11 12	12 12	1 12	2 12	3 12	2 40	3 12	4 12	5 12	6 12	7 12	8 12	9 12	10 12	11 12	12 12					
48	London	6 20	7 20	8 20	9 20	10 20	11 20	12 20	1 20	2 20	3 20	2 40	3 20	4 20	5 20	6 20	7 20	8 20	9 20	10 20	11 20	12 20					
52	Lafayette	6 34	7 34	8 34	9 34	10 34	11 34	12 34	1 34	2 34	3 34	2 40	3 34	4 34	5 34	6 34	7 34	8 34	9 34	10 34	11 34	12 34					
59	W. J. Jefferson	5 15	6 15	7 15	8 15	9 15	10 15	11 15	1 15	2 15	3 15	2 55	3 15	4 15	5 15	6 15	7 15	8 15	9 15	10 15	11 15	12 15					
61	Darby	5 18	6 18	7 18	8 18	9 18	10 18	11 18	1 18	2 18	3 18	2 40	3 18	4 18	5 18	6 18	7 18	8 18	9 18	10 18	11 18	12 18					
64	Alton	5 22	6 22	7 22	8 22	9 22	10 22	11 22	1 22	2 22	3 22	2 40	3 22	4 22	5 22	6 22	7 22	8 22	9 22	10 22	11 22	12 22					
64	Rome	5 26	6 26	7 26	8 26	9 26	10 26	11 26	1 26	2 26	3 26	2 40	3 26	4 26	5 26	6 26	7 26	8 26	9 26	10 26	11 26	12 26					
75	Columbus Ar	6 05	7 05	8 05	9 05	10 05	11 05	12 05	1 05	2 05	3 05	2 40	3 05	4 05	5 05	6 05	7 05	8 05	9 05	10 05	11 05	12 05					

xAll New Carlisle Branch trains connect with Main Line local trains at Carlisle Junction.

fStop on flag at West Jefferson to take passengers for points beyond Columbus, and to leave passengers from points beyond Springfield; at Osborn to take passengers for points beyond Springfield and to leave passengers from beyond Dayton.

Change cars at Springfield for Columbus.

Mil	STATIONS	200	2	4	6	174	8	10	12	176	14	16	18	178	20	22	180	24	26	28	182	30	32	34	36	
0	Columbus Lv	4 40					6 05	6 55	7 05	8 05	9 05	9 55	10 05	11 05	12 05	12 55	1 05	2 05	3 05	4 05	5 05	6 05	7 05	8 05	9 05	10 05
11	Reynoldsburg	5 06					6 43	7 33	8 43	9 43	10 43	11 43	12 43	1 43	2 43	3 43	4 43	5 43	6 43	7 43	8 43	9 43	10 43	11 43	12 43	
15	Wagram	5 11					6 52	7 50	8 50	9 50	10 50	11 50	12 50	1 50	2 50	3 50	4 50	5 50	6 50	7 50	8 50	9 50	10 50	11 50	12 50	
18	Etna	5 15					6 57	7 57	8 57	9 57	10 57	11 57	12 57	1 57	2 57	3 57	4 57	5 57	6 57	7 57	8 57	9 57	10 57	11 57	12 57	
22	Kirkersville						7 05	8 05	9 05	10 05	11 05	12 05	1 05	2 05	3 05	4 05	5 05	6 05	7 05	8 05	9 05	10 05	11 05	12 05		
28	Hebron						7 15	8 15	9 15	10 15	11 15	12 15	1 15	2 15	3 15	4 15	5 15	6 15	7 15	8 15	9 15	10 15	11 15	12 15		
37	Newark						7 40	8 40	9 40	10 40	11 40	12 40	1 40	2 40	3 40	4 40	5 40	6 40	7 40	8 40	9 40	10 40	11 40	12 40		
43	Newark Lv	5 30	6 45	7 45	8 03	8 40	9 45	10 45	11 03	11 45	12 45	1 45	2 03	2 45	3 45	4 45	5 45	6 45	7 45	8 45	9 45	10 45	11 45	12 45		
43	Clay Lick	5 43	7 05	8 05	9 05	10 05	11 05	12 05	1 05	2 05	3 05	4 05	5 05	6 05	7 05	8 05	9 05	10 05	11 05	12 05						
44	Hanover	5 44	7 07	8 07	9 07	10 07	11 07	12 07	1 07	2 07	3 07	4 07	5 07	6 07	7 07	8 07	9 07	10 07	11 07	12 07						
47	Black Hand	5 50	7 14	8 14	9 14	10 14	11 14	12 14	1 14	2 14	3 14	4 14	5 14	6 14	7 14	8 14	9 14	10 14	11 14	12 14						
54	Nashport	5 56	7 22	8 22	9 22	10 22	11 22	12 22	1 22	2 22	3 22	4 22	5 22	6 22	7 22	8 22	9 22	10 22	11 22	12 22						
64	Zanesville Ar	6 25	7 55	8 55	9 55	10 55	11 55	12 55	1 55	2 55	3 55	4 55	5 55	6 55	7 55	8 55	9 55	10 55	11 55	12 55						

Granville trains leave Newark for Granville at 5:00 a. m. and hourly thereafter until 10:00 p. m., then 11:15 p. m., and leave Granville for Newark at 5:30 a. m. and every hour thereafter until 10:30 p. m., then 11:40 p. m. First train each way annulled on Sunday. Buckeye Lake trains leave Hebron at 6:45 a. m. and every half hour thereafter until 7:15 p. m. and leave Buckeye Lake for Hebron at 7:00 a. m. and every half hour thereafter until 7:30 p. m.

DAYTON—UNION CITY

EASTBOUND

Mil	STATIONS	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
0	Union City Lv																				
4	Hill Grove																				

The Ohio Electric Railway Company

(EASTERN DISTRICT)

COLUMBUS - ZANESVILLE DIVISION

NEWARK - GRANVILLE DIVISION

BUCKEYE LAKE DIVISION

TIME TABLE No. 34

IN EFFECT 4:00 O'CLOCK A. M., SUNDAY, OCTOBER 1, 1916

(CENTRAL STANDARD TIME)

SUPERSEDING TIME TABLE No. 33, DATED APRIL 9, 1916

For the Government and Information of Employes Only

F. J. MOORE,
Superintendent,
COLUMBUS, OHIO

F. G. CLUNIS,
Assistant Superintendent,
NEWARK, OHIO

Columbus-Zanesville Division
EASTERN DISTRICT
Time Table No. 34

THE OHIO ELECT

SECOND CLASS

WESTBOUND TRAINS—FIRST CLASS

Read Up

	153 Daily Ex. Sun. p m	151 Daily Ex. Sun. a m					33 Daily a m	31 Daily p m	29 Daily p m	27 Daily p m	25 Daily p m	Limited 181 Daily Ex. Sun. p m	23 Daily p m	21 Daily p m	19 Daily p m	Limited 179 Daily Ex. Sun. p m	17 Daily p m	15 Daily p m	13 Daily p m	Limited 177 Daily Ex. Sun. p m	11 Daily a m	9 Daily a m	7 Daily a m	Limited 175 Daily Ex. Sun. a m	5 Daily a m	3 Daily a m	1 Daily a m	Distan
		8.05 10					12.45	10.55	8.55	7.55	6.55	6.10	5.55	4.55	3.55 180	3.10	2.55	1.55	12.55 178	12.10	11.55	10.55	9.55 176	9.10	8.55	7.30	6.05 6	0
		7.53					12.31	10.38	8.38	7.38 32	6.38	5.55 30	5.38	4.38	3.38	2.55 24	2.38	1.38	12.38	11.55 18	11.38	10.38	9.38	8.55 12	8.38	7.16 8	5.46	0
		7.50					12.30	10.36	8.36	7.36	6.36	5.52	5.36	4.36	3.36	2.52	2.36	1.36	12.36	11.52	11.36	10.36	9.36	8.52	8.36	7.14	5.44	0
		7.46					12.26	10.31	8.31	7.31	6.31 30	5.49	5.31 28	4.31 26	3.31 24	2.49	2.31 22	1.31 20	12.31 18	11.49	11.31 16	10.31 14 152	9.31 12	8.49	8.31 10	7.09 174	5.40	5
		7.38 8					12.20	10.23	8.23	7.23	6.23	5.44	5.23	4.23	3.23	2.44	2.23	1.23	12.23	11.44	11.23	10.23	9.23	8.44	8.23	6.56	5.34	5
		7.25					12.18	10.20	8.20	7.21	6.20	5.42 28	5.20	4.21	3.20	2.42 22	2.20	1.21	12.20	11.42 16	11.20	10.21	9.20	8.42 10	8.20	6.53	5.32	5
		7.20					12.15	10.17	8.17	7.17	6.17	5.40	5.17	4.19	3.17	2.40	2.17	1.19	12.17	11.40	11.17	10.19	9.17	8.40	8.17	6.50	5.30	5
		7.18 174					12.14	10.15	8.15	7.15	6.15	5.39	5.15	4.18 180	3.15	2.39	2.15	1.18 178	12.15	11.39	11.15	10.18 176	9.15	8.39	8.15	6.48 6	5.29	5
		7.03					12.10 36	10.10 34	8.10 32	7.10	6.10	5.36	5.10	4.10	3.10	2.36	2.10	1.10	12.10	11.36	11.10 152	10.10	9.10	8.36	8.10	6.44	5.24	4
		6.55 6					12.05	10.05	8.05	7.05	6.05	5.33	5.05	4.05	3.05	2.33	2.05	1.05	12.05	11.33	11.05	10.05	9.05	8.33	8.05	6.41	5.21	4
		6.49					12.04	10.04	8.04	7.04	6.04	5.32	5.04	4.04	3.04	2.32	2.04	1.04	12.04	11.32	11.04	10.04	9.04	8.32	8.04	6.40	5.20	4
		6.37 3					12.01	10.01	8.01	7.01 30	6.01 28	5.29	5.01 26	4.01 24	3.01 22	2.29	2.01 20	1.01 18	12.01 16	11.29 152	11.01 14	10.01 12	9.01 10	8.29	8.01 8	6.37 161	.....	4
		6.25					11.56	9.56	7.56	6.57	5.56	5.26	4.56	3.56	2.56	2.26	1.56	12.56	11.56	11.26	10.56	9.56	8.56	8.26	7.56	6.33	.....	4
		6.20					11.54	9.54	7.54	6.54	5.54	5.25	4.54	3.54	2.54	2.25	1.54	12.54	11.54	11.25	10.54	9.54	8.54	8.25	7.54	6.31	.....	4
		6.13					11.49	9.49	7.49	6.49	5.49	5.22	4.50	3.49	2.49	2.22	1.50	12.49	11.49 162	11.22	10.50	9.49	8.49	8.22	7.50	6.27	.....	4
		6.05					11.45	9.45	7.45	6.45	5.45	5.18 26	4.45	3.45	2.45	2.18 20	1.45	12.45	11.45	11.18 14	10.45	9.45	8.45	8.18 8	7.45	6.23	.....	4
		5.59					11.43	9.43	7.43	6.43	5.43	5.17	4.42 180	3.43	2.43	2.17	1.42 178	12.43	11.43	11.17	10.42 176	9.43	8.43	8.17	7.42 174	6.21	.....	4
		5.52					11.38	9.38	7.38	6.38	5.38	5.14	4.37	3.38	2.38	2.14	1.37	12.38	11.38	11.14	10.37	9.38	8.38	8.14	7.37	6.16	.....	4

6.05	11.45	9.45	7.45	6.45	5.45	5.18 ₂₆	4.45	3.45	2.45	2.18 ₂₀	1.45	12.45	11.45	11.18 ₁₄	10.45	9.45	8.45	8.18 ₈	7.45	6.23	36.40					
5.59	11.43	9.43	7.43	6.43	5.43	5.17	4.42 ₁₈₀	3.43	2.43	2.17	1.42 ₁₇₈	12.43	11.43	11.17	10.42 ₁₇₆	9.43	8.43	8.17	7.42 ₁₇₄	6.21	36.00					
5.52	11.38	9.38	7.38	6.38	5.38	5.14	4.37	3.38	2.38	2.14	1.37	12.38	11.38	11.14	10.37	9.38	8.38	8.14	7.37	6.16	33.50					
5.47	11.35	9.35	7.34	6.35	5.35	5.11	4.35	3.35	2.35	2.11	1.35	12.35	11.35	11.11	10.35	9.35	8.35	8.11	7.35	6.13	32.00					
5.41	11.30	9.30	7.30 ₃₀	6.30 ₂₈	5.30 ₂₆	5.08	4.30 ₂₄	3.30 ₂₂	2.30 ₂₀	2.08	1.30 ₁₈	12.30	11.30	11.08	10.30 ₁₂	9.30 ₁₀	8.30 ₈	8.08	7.30 ₆	6.09	29.52					
5.37	11.26	9.26	7.26	6.26	5.26	5.05	4.26	3.26	2.26	2.05	1.26	12.26	11.26	11.05	10.26	9.26	8.26	8.05	7.26	6.06	28.05					
5.45 ₂₆	5.30	11.20	9.20	7.20	6.20	5.20	5.00	4.20	3.20	2.20	2.00	1.20	12.20	11.20	11.00	10.20	9.20	8.20	8.00	7.20	6.00	27.00				
		11.15	9.15	7.15	6.15	5.15	4.58 ₁₈₀	4.15	3.15	2.15	1.58 ₁₇₈	1.15	12.15	11.15	10.58 ₁₇₆	10.15	9.15	8.15	7.58 ₁₇₄	7.15	5.57					
5.30	11.06 ₃₄	9.04 ₃₂	7.04	6.04	5.04 ₁₈₀	4.51 ₂₄	4.04	3.04	2.04 ₁₇₈	1.51 ₁₈	1.04 ₁₅₂	12.04	11.04 ₁₇₆	10.51 ₁₂	10.04	9.04	8.04 ₁₇₄	7.51 ₆	7.04	5.49	25.80					
5.15 ₁₈₀	11.03	8.59	6.59 ₂₈	5.59 ₂₆	4.59 ₂₄	4.47	3.59 ₂₂	2.59 ₂₀	1.59 ₁₈	1.47	12.59	11.59	10.59	10.47	9.59 ₁₀	8.59 ₈	7.59 ₆	7.47	6.59 ₄	5.46	23.31					
5.05 ₂₄	11.00	8.55	6.55	5.55	4.55	4.44	3.55	2.55	1.55	1.44	12.55	11.55	10.55	10.44	9.55	8.55	7.55	7.44	6.55	5.43 ₂	21.31					
5.00	10.58	8.52	6.52	5.52	4.52	4.42	3.52	2.52	1.52	1.42	12.52	11.52	10.52	10.42	9.52	8.52	7.52	7.42	6.52	5.41	20.00					
4.55	10.55	8.48	6.48	5.48	4.48	4.40	3.48	2.48	1.48 ₁₅₂	1.40 ₁₅₂	12.48	11.48	10.48	10.40	9.48	8.48	7.48	7.40	6.48	5.38	18.00					
4.50	10.51	8.45	6.45	5.45	4.45	4.37	3.45	2.45	1.45	1.37	12.45	11.45	10.45	10.37	9.45	8.45	7.45	7.37	6.45	5.34	16.31					
4.45	10.48	8.41	6.41	5.41	4.41	4.35	3.41	2.41	1.41	1.35	12.41	11.41	10.41	10.35	9.41	8.41	7.41	7.35	6.41	5.30	14.81					
4.41	10.47	8.38	6.38	5.39	4.38	4.33	3.38	2.39	1.38	1.33	12.38	11.39	10.38	10.33	9.38	8.39	7.38	7.33	6.38	5.28	13.31					
4.39	10.46	8.36	6.36	5.38	4.36	4.32	3.36	2.38	1.36	1.32	12.36	11.38	10.36	10.32	9.36	8.38	7.36	7.32	6.36	5.26	12.3					
4.36	10.45	8.34	6.34	5.37	4.34	4.31	3.34	2.37	1.34	1.31	12.34	11.37	10.34	10.31	9.34	8.37	7.34	7.31	6.34	5.25	11.81					
4.30 ₂₅	10.41	8.28	6.28 ₂₆	5.33 ₂₄	4.28 ₁₈₀	4.28 ₂₂	3.28 ₁₈₁	2.33 ₂₂	1.28 ₂₀	1.28 ₁₇₈	12.28	11.33	10.28	10.28	9.28 ₈	8.33 ₆	7.28 ₁₇₄	7.28 ₁₇₅	6.28	5.21	9.06					
4.20 ₂₂																										
4.12	10.34	8.18	6.18	5.18	4.18	4.22	3.18	2.18	1.18	1.22	12.18	11.18	10.18	10.22	9.18	8.18	7.18	7.22	6.18	5.14	4.81					
4.07	10.31	8.13	6.13	5.13	4.13	4.19	3.13	2.13	1.13	1.19	12.13	11.13	10.13	10.19	9.13	8.13	7.13	7.19	6.13 ₂	5.11	2.81					
4.02	10.27	8.08	6.08	5.08	4.08	4.16	3.08	2.08	1.08	1.16	12.08	11.08	10.08	10.16	9.08	8.08	7.08	7.16	6.08	5.07	1.31					
3.55 ₂₀	10.20	8.00	6.00 _c	5.00	4.00	4.10	3.00 _c	2.00	1.00	1.10	12.00 _c	11.00	10.00	10.10	9.00 _c	8.00	7.00	7.10 _c	6.00	5.00						
p m	a m											noon	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m				
153 Daily	151 Daily					33	31	29	27	25	Limited 181 Daily	23	21	19	Limited 179 Daily	17	15	13	Limited 177 Daily	11	9	7	Limited 175 Daily	5	3	1

4.41						10.47	8.38	6.38	5.39	4.38	4.33	3.38	2.39	1.38	1.33	12.38	11.39	10.38	10.33	9.38	8.39	7.38	7.33	6.38	5.28	.....	13.31
4.39						10.46	8.36	6.36	5.38	4.36	4.32	3.36	2.38	1.36	1.32	12.36	11.38	10.36	10.32	9.36	8.38	7.36	7.32	6.36	5.26	.....	12.31
4.36						10.45	8.34	6.34	5.37	4.34	4.31	3.34	2.37	1.34	1.31	12.34	11.37	10.34	10.31	9.34	8.37	7.34	7.31	6.34	5.25	.....	11.81
4.30						10.41	8.28	6.28	5.33	4.28	4.28	3.28	2.33	1.28	1.28	12.28	11.33	10.28	10.28	9.28	8.33	7.28	7.28	6.28	5.21	.....	9.06
4.20																												
4.12						10.34	8.18	6.18	5.18	4.18	4.22	3.18	2.18	1.18	1.22	12.18	11.18	10.18	10.22	9.18	8.18	7.18	7.22	6.18	5.14	.....	4.81
4.07						10.31	8.13	6.13	5.13	4.13	4.19	3.13	2.13	1.13	1.19	12.13	11.13	10.13	10.19	9.13	8.13	7.13	7.19	6.13	5.11	.....	2.81
4.02						10.27	8.08	6.08	5.08	4.08	4.16	3.08	2.08	1.08	1.16	12.08	11.08	10.08	10.16	9.08	8.08	7.08	7.16	6.08	5.07	.....	1.31
3.55						10.20	8.00	6.00	5.00	4.00	4.10	3.00	2.00	1.00	1.10	12.00	11.00	10.00	10.10	9.00	8.00	7.00	7.10	6.00	5.00	.....	L
p m	a m					p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	noon	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	
153	151					33	31	29	27	25	Limited 181	23	21	19	Limited 179	17	15	13	Limited 177	11	9	7	Limited 175	5	3	1		
Daily	Daily					Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily		
Ex. Sun.	Ex. Sun.										Ex. Sun.				Ex. Sun.				Ex. Sun.				Ex. Sun.					

BUCKEYE

251	249	247	245	243	241	239	237	235	233	231	229	227	225	223	221	219	217	215	213	211	209	207	205	203	201	Distance from Hebron	
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Distance from Newark
p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	Distance from Newark	
7.25	6.55	6.25	5.55	5.25	4.55	4.25	3.55	3.25	2.55	2.25	1.55	1.25	12.55	12.25	11.55	11.25	10.55	10.25	9.55	9.25	8.55	8.25	7.55	7.25	6.40	2.40	
7.15	6.45	6.15	5.45	5.15	4.45	4.15	3.45	3.15	2.45	2.15	1.45	1.15	12.45	12.15	11.45	11.15	10.45	10.15	9.45	9.15	8.45	8.15	7.45	7.15	6.30	L	
p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	L

NEWARK AND GRANT

537	535	533	531	529	527	525	523	521	519	517	515	513	511	509	507	505	503	501	Distance from Newark	
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Distance from Newark
p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	a m	a m	a m	a m	a m	a m	a m	a m	Distance from Newark
11.40	10.25	9.25	8.25	7.25	6.25	5.25	4.25	3.25	2.25	1.25	12.25	11.25	10.25	9.25	8.25	7.25	6.25	5.25	7.56	
11.30	10.15	9.15	8.15	7.15	6.15	5.15	4.15	3.15	2.15	1.15	12.15	11.15	10.15	9.15	8.15	7.15	6.15	5.15	4.00	
11.25	10.10	9.10	8.10	7.10	6.10	5.10	4.10	3.10	2.10	1.10	12.10	11.10	10.10	9.10	8.10	7.10	6.10	5.10	2.00	
11.21	10.06	9.06	8.06	7.06	6.06	5.06	4.06	3.06	2.06	1.06	12.06	11.06	10.06	9.06	8.06	7.06	6.06	5.06	1.02	
11.15	10.00	9.00	8.00	7.00	6.00	5.00	4.00	3.00	2.00	1.00	12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.00	L	
p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	noon	a m	a m	a m	a m	a m	a m	a m	L	

NOTE THE RULES AND REGULATIONS

Trains of the Granville Division will use the tracks on Main Street between Pine Street and Interurban Station, Newark, and East Newark in common with trains of the main line being governed by their timetables.

Trains of the main line will use the tracks on Main Street between Interurban Station, Newark, and East Newark in common with trains of the City Division.

Letter "c" on train schedule at any point indicates: Ascertain that all overdue trains of same or superior class have met at points indicated on time table unless such meeting is changed by special orders.

Westbound trains of same class will take siding at scheduled siding points, except Limited trains. Eastbound Limited trains are changed by special orders.

Limited trains scheduled via Union Street.

ELECTRIC RAILWAY CO

Read Up								Distance from Zanesville	STATIONS	Distance from Columbus	Read Down							
7	9	7	Limited 175	5	3	1	200				2	4	6	Limited 174	8	10	12	
Daily	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Daily	Daily				Daily	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Daily	
11.55	10.55	9.55	9.10	8.55	7.30	6.05	64.00	Ar.....COLUMBUS.....Lv.....	4.40			6.05	6.55	7.05	8.05	9.05		
11.38	10.38	9.38	8.55	8.38	7.16	5.46	61.00	.....END DOUBLE TRACK... 3.00	4.50			6.22	7.05	7.22	8.22	9.22	
11.36	10.36	9.36	8.52	8.36	7.14	5.44	60.25	.....BEXLEY..... 3.75	4.52			6.25	7.06	7.25	8.25	9.25	
11.31	10.31	9.31	8.49	8.31	7.09	5.40	58.33	.....DONEYS..... 5.67	4.56			6.31	7.09	7.31	8.31	9.31	
11.23	10.23	9.23	8.44	8.23	6.56	5.34	55.54	.....HIBERNIA..... 8.66	5.00			6.38	7.13	7.38	8.38	9.38	
11.20	10.21	9.20	8.42	8.20	6.53	5.32	53.98	.....ROSE HILL..... 10.12	5.02			6.40	7.15	7.41	8.42	9.41	
11.17	10.19	9.17	8.40	8.17	6.50	5.30	52.98	.....REYNOLDSBURG..... 11.12	5.06			6.43	7.16	7.43	8.44	9.43	
11.15	10.18	9.15	8.39	8.15	6.48	5.29	52.73	.....POOLES..... 11.37	5.07			6.48	7.18	7.45	8.46	9.45	
11.10	10.10	9.10	8.36	8.10	6.44	5.24	49.10	.....WAGRAM..... 14.90	5.11			6.52	7.22	7.50	8.50	9.50	
11.05	10.05	9.05	8.33	8.05	6.41	5.21	47.00	.....ETNA SIDING..... 17.00	5.14			6.55	7.25	7.55	8.55	9.55	
11.04	10.04	9.04	8.32	8.04	6.40	5.20	46.67	.....ETNA..... 17.33	5.15			6.57	7.26	7.57	8.57	9.57	
11.01	10.01	9.01	8.29	8.01	6.37	5.19	44.50	.....PARKINSONS..... 19.50				7.01	7.29	8.01	9.01	10.01	
10.56	9.56	8.56	8.26	7.56	6.33	5.19	42.05	.....KIRKERSVILLE..... 21.98				7.05	7.32	8.05	9.05	10.05	
10.54	9.54	8.54	8.25	7.54	6.31	5.18	41.75	.....KIRK SIDING..... 22.25				7.06	7.34	8.06	9.06	10.06	
10.50	9.49	8.49	8.22	7.50	6.27	5.16	38.40	.....LURAY..... 25.00				7.10	7.37	8.10	9.10	10.10	
10.45	9.45	8.45	8.18	7.45	6.23	5.15	36.40	.....HEBRON..... 27.61				7.15	7.41	8.18	9.15	10.15	
10.42	9.43	8.43	8.17	7.42	6.21	5.14	36.06	.....HEBRON SIDING..... 27.95				7.17	7.42	8.19	9.17	10.17	
10.37	9.38	8.38	8.14	7.37	6.16	5.13	33.50	.....COCHRANS..... 30.50				7.22	7.45	8.22	9.22	10.22	
10.35	9.35	8.35	8.11	7.35	6.13	5.12	32.00	.....FOUR MILE LOCKS..... 32.00				7.24	7.48	8.25	9.25	10.24	
10.30	9.30	8.30	8.08	7.30	6.09	5.11	29.52	.....IDLEWILDE PARK..... 34.48				7.30	7.51	8.30	9.30	10.30	
10.26	9.26	8.26	8.05	7.26	6.06	5.10	28.95	.....WEST NEWARK..... 36.05				7.34	7.53	8.34	9.34	10.34	
10.20	9.20	8.20	8.00	7.20	6.00	5.09	27.06	.....NEWARK..... 36.94	5.30	6.45	7.40	8.00	8.40	9.40	10.40		
10.15	9.15	8.15	7.58	7.15	5.57	5.08					7.45	8.03	8.45	9.45	10.45			
10.10	9.10	8.10	7.51	7.04	5.49	5.07	25.80	.....EAST NEWARK..... 38.50		5.36	6.54	7.54	8.11	8.54	9.54	10.54	
9.59	8.59	7.59	7.47	6.59	5.46	5.06	23.31	.....WEIANT..... 40.69		5.40	6.59	7.59	8.15	8.59	9.59	10.59	
9.55	8.55	7.55	7.44	6.55	5.43	5.05	21.31	.....CLAY LICK..... 42.69		5.43	7.05	8.05	8.18	9.05	10.05	11.05	
9.52	8.52	7.52	7.42	6.52	5.41	5.04	20.06	.....HANOVER..... 43.94		5.44	7.07	8.07	8.19	9.07	10.07	11.07	
9.48	8.48	7.48	7.40	6.48	5.38	5.03	18.06	.....CORNELL..... 45.94		5.47	7.10	8.10	8.21	9.10	10.10	11.10	
9.45	8.45	7.45	7.37	6.45	5.34	5.02	16.31	.....BLACK HAND..... 47.69		5.50	7.14	8.14	8.23	9.14	10.14	11.14	

8.26	8.26	8.05	7.26	6.06	28.95	WEST NEWARK Double Track	36.05	7.34	7.53	8.34	9.34	10.34	10.53	11.11		
9.20	8.20	8.00	7.20	6.00	27.06	NEWARK	36.94	5.30	6.45	7.40	8.00	8.40	9.40	10.40	11.00	
9.15	8.15	7.58	7.15	5.57												174
9.04	8.04	7.51	7.04	5.49	25.80	Double Track EAST NEWARK	38.50	5.36	6.54	7.54	8.11	8.54	9.54	10.54	11.11	
8.59	7.59	7.47	6.59	5.46	23.31	WEIANT	40.69	5.40	6.59	7.59	8.15	8.59	9.59	10.59	11.15	
8.55	7.55	7.44	6.55	5.43	21.31	CLAY LICK	42.69	5.43	7.05	8.05	8.18	9.05	10.05	11.05	11.18	
8.52	7.52	7.42	6.52	5.41	20.06	HANOVER	43.94	5.44	7.07	8.07	8.19	9.07	10.07	11.07	11.19	
8.48	7.48	7.40	6.48	5.38	18.06	CORNELL	45.94	5.47	7.10	8.10	8.21	9.10	10.10	11.10	11.21	
8.45	7.45	7.37	6.45	5.34	16.31	BLACK HAND	47.69	5.50	7.14	8.14	8.23	9.14	10.14	11.14	11.23	
8.41	7.41	7.35	6.41	5.30	14.81	LICKING SIDING	49.19	5.52	7.17	8.17	8.25	9.17	10.17	11.17	11.25	
8.39	7.38	7.33	6.38	5.28	13.31	MADDEN	50.69	5.55	7.20	8.20	8.27	9.20	10.20	11.20	11.27	
8.38	7.36	7.32	6.36	5.26	12.31	NASHPORT	51.69	5.56	7.22	8.22	8.28	9.22	10.22	11.22	11.28	
8.37	7.34	7.31	6.34	5.25	11.81	IKEHORNS	52.19	5.57	7.23	8.23	8.30	9.23	10.23	11.23	11.30	
8.33	7.28	7.28	6.28	5.21	9.06	PLEASANT VALLEY	54.94	6.01	7.28	8.33	8.33	9.28	10.28	11.33	11.33	
8.18	7.18	7.22	6.18	5.14	4.81	HOLBEINS	59.19	6.07	7.35	8.40	8.39	9.36	10.36	11.40	11.39	
8.13	7.13	7.19	6.13	5.11	2.81	DILLON FALLS	61.19	6.13	7.38	8.43	8.41	9.40	10.40	11.43	11.41	
8.08	7.08	7.16	6.08	5.07	1.31	END DOUBLE TRACK	62.69	6.15	7.42	8.47	8.45	9.45	10.45	11.47	11.45	
8.00	7.00	7.10	6.00	5.00	Lv	ZANESVILLE	Ar 64.00	6.25	7.55	8.55	8.55	9.55	10.55	11.55	11.55	
7	7	Limited 175 Daily Ex. Sun.	5	3	1	STATIONS	200	2	4	6	Limited 174 Daily Ex. Sun.	8	10	12	Limited 176 Daily Ex. Sun.	14
Daily	Daily	Daily	Daily	Daily	Daily		Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily

BUCKEYE LAKE DIVISION

211	209	207	205	203	201	Distance from Hebron	STATIONS	Distance from Buckeye Lake	202	204	206	208	210	212	214	216	218	220
Daily	Daily	Daily	Daily	Daily	Daily				Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily
a m	a m	a m	a m	a m	a m	2.40	Ar... BUCKEYE LAKE... Lv	2.40	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m
8.25	8.55	8.25	7.55	7.25	6.40				7.00	7.30	8.00	8.30	9.00	9.30	10.00	10.30	11.00	11.30
9.15	8.45	8.15	7.45	7.15	6.30		Lv... HEBRON... Ar	2.40	a m	a m	a m	a m	a m	a m	a m	a m	a m	a m
									7.10	7.40	8.10	8.40	9.10	9.40	10.10	10.40	11.10	11.40

AND GRANVILLE DIVISION

511	509	507	505	503	501	Distance from Newark	STATIONS TRAIN NUMBERS	Distance from Granville	502	504	506	508	510	512	514	516	518	520
Daily	Daily	Daily	Daily	Daily	Daily ex. Sun.				Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily
a m	a m	a m	a m	a m	a m	7.56	Ar... GRANVILLE... Lv	7.56	a m	a m	a m	a m	a m	a m	a m	p m	p m	p m
9.25	9.25	8.25	7.25	6.25	5.25				5.30	6.30	7.30	8.30	9.30	10.30	11.30	12.30	1.30	2.30
9.15	9.15	8.15	7.15	6.15	5.15	4.00	SHOWMANS	3.56	5.40	6.40	7.40	8.40	9.40	10.40	11.40	12.40	1.40	2.40
9.10	9.10	8.10	7.10	6.10	5.10	2.00	SENATORS	5.56	5.45	6.45	7.45	8.45	9.45	10.45	11.45	12.45	1.45	2.45
9.06	9.06	8.06	7.06	6.06	5.06	1.02	W. NEWARK	6.54	5.49	6.49	7.49	8.49	9.49	10.49	11.49	12.49	1.49	2.49
9.00	9.00	8.00	7.00	6.00	5.00		Lv... NEWARK... Ar	7.56	5.55	6.55	7.55	8.55	9.55	10.55	11.55	12.55	1.55	2.55
a m	a m	a m	a m	a m	a m				a m	a m	a m	a m	a m	a m	a m	p m	p m	p m

AND REGULATIONS ON THE BACK OF THIS

WAY COMPANY

Columbus-Zanesville Division
EASTERN DISTRICT
Time Table No. 34

Down

EASTBOUND TRAINS—FIRST CLASS

SECOND CLASS

	4	6	Limited 174	8	10	12	Limited 176	14	16	18	Limited 178	20	22	24	Limited 180	26	28	30	32	34	36					152
ly	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Daily	Daily Ex. Sun.	Daily	Daily	Daily	Daily	Daily	Daily					Daily Ex. Sun.
n	a m	a m	a m	a m	a m	a m	a m	a m	a m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m					a m
		6.05	6.55	7.05	8.05	9.05	9.55	10.05	11.05	12.05	12.55	1.05	2.05	3.05	3.55	4.05	5.05	6.05	7.30	9.30	11.30					10.00
		6.22	7.05 ^c	7.22	8.22	9.22	10.05 ^c	10.22	11.22	12.22	1.05 ^c	1.22	2.22	3.22	4.05 ^c	4.22	5.22	6.22	7.45	9.45	11.45					10.17 ^c
		6.25	7.06	7.25	8.25	9.25	10.06	10.25	11.25	12.25	1.06	1.25	2.25	3.25	4.06	4.25	5.25	6.25	7.47	9.47	11.47					10.19
		6.31	7.09 ³	7.31	8.31	9.31	10.09	10.31 ^{152 9}	11.31 ¹¹	12.31 ¹³	1.09	1.31 ¹⁵	2.31 ¹⁷	3.31 ¹⁹	4.09	4.31 ²¹	5.31 ²³	6.31 ²⁵	7.52	9.52	11.52					10.26 10.33 ^{9 14}
		6.38	7.13	7.38	8.38	9.38	10.13	10.38	11.38	12.38	1.13	1.38	2.38	3.38	4.13	4.38	5.38	6.38	7.57	9.57	11.57					10.40
		6.40	7.15	7.41	8.42	9.41	10.15	10.41	11.42	12.41	1.15	1.41	2.42	3.41	4.15	4.41	5.42	6.41	8.00	10.00	12.00					10.43
		6.43	7.16	7.43	8.44	9.43	10.16	10.43	11.44	12.43	1.16	1.43	2.44	3.43	4.16	4.43	5.44	6.43	8.03	10.03	12.03					10.50
		6.48	7.18	7.45	8.46	9.45	10.18	10.45	11.46	12.45	1.18	1.45	2.46	3.45	4.18	4.45	5.46	6.45	8.06	10.06	12.06					10.56
		6.52	7.22	7.50	8.50	9.50	10.22	10.50	11.50	12.50	1.22	1.50	2.50	3.50	4.22	4.50	5.50	6.50	8.10	10.10	12.10					11.10 ¹¹
		6.55	7.25	7.55	8.55	9.55	10.25	10.55	11.55	12.55	1.25	1.55	2.55	3.55	4.25	4.55	5.55	6.55	8.13	10.13	12.13					11.15
		6.57	7.26	7.57	8.57	9.57	10.26	10.57	11.57	12.57	1.26	1.57	2.57	3.57	4.26	4.57	5.57	6.57	8.14	10.14	12.14					11.18
		7.01	7.29	8.01	9.01	10.01	10.29	11.01	12.01	1.01	1.29	2.01	3.01	4.01	4.29	5.01	6.01	7.01	8.17	10.17	12.17					11.29 ¹⁷⁷
		7.05	7.32	8.05	9.05	10.05	10.32	11.05	12.05	1.05	1.32	2.05	3.05	4.05	4.32	5.05	6.05	7.05	8.20	10.20	12.20					11.35
		7.06	7.34	8.06	9.06	10.06	10.34	11.06	12.06	1.06	1.34	2.06	3.06	4.06	4.34	5.06	6.06	7.06	8.22	10.22	12.22					11.38
		7.10	7.37	8.10	9.10	10.10	10.37	11.10	12.10	1.10	1.37	2.10	3.10	4.10	4.37	5.10	6.10	7.10	8.26	10.26	12.26					11.44 11.50 ¹³
		7.15	7.41	8.18	9.15	10.15	10.41	11.18	12.15	1.15	1.41	2.18	3.15	4.15	4.41	5.18	6.15	7.15	8.30	10.30	12.30					11.58
		7.17	7.42	8.19	9.17	10.17	10.42	11.19	12.17	1.17	1.42	2.19	3.17	4.17	4.42	5.19	6.17	7.17	8.32	10.32	12.32					12.00
		7.22	7.45	8.22	9.22	10.22	10.45	11.22	12.22	1.22	1.45	2.22	3.22	4.22	4.45	5.22	6.22	7.22	8.37	10.37	12.37					12.06
		7.24	7.48	8.25	9.25	10.24	10.48	11.25	12.25	1.24	1.48	2.25	3.25	4.24	4.48	5.25	6.25	7.25	8.40	10.40	12.40					12.10

09	5.56	7.22	8.22	8.28	9.22	10.22	11.22	11.28	12.22	1.22	2.22	2.28	3.22	4.22	5.22	5.28	6.22	7.22		
19	5.57	7.23	8.23	8.30	9.23	10.23	11.23	11.30	12.23	1.23	2.23	2.30	3.23	4.23	5.23	5.30	6.23	7.23		
04	6.01	7.28	8.33	8.33	9.28	10.28	11.33	11.33	12.28	1.28	¹⁷⁸ 2.33	¹⁵² 2.33	3.28	¹⁸¹ 4.28	5.33	5.33	6.28	7.28		
19	6.07	7.35	8.40	8.39	9.36	10.36	11.40	11.39	12.36	1.36	2.40	2.39	3.36	4.36	5.40	5.39	6.36	7.36		
19	6.13	7.38	8.43	8.41	9.40	10.40	11.43	11.41	12.40	1.40	2.43	2.41	3.40	4.40	5.43	5.41	6.40	7.40		
09	6.15	7.42	8.47	8.45	9.45	10.45	11.47	11.45	12.45	1.45	2.47	2.45	3.45	4.45	5.47	5.45	6.45	7.45		
00	6.25	7.55	8.55	8.55	9.55	10.55	11.55	11.55	12.55	1.55	2.55	2.55	¹⁵³ 3.55	4.55	5.55	5.55	6.55	7.55		
	a m	a m	a m	a m	a m	a m	a m	a m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m		
	200	2	4	6	Limited 174	8	10	12	Limited 176	14	16	18	Limited 178	20	22	24	Limited 180	26	28	30
	Daily	Daily	Daily	Daily	Daily Ex-Sun.	Daily	Daily	Daily	Daily Ex-Sun.	Daily	Daily	Daily	Daily Ex-Sun.	Daily	Daily	Daily	Daily Ex-Sun.	Daily	Daily	Daily

DIVISION

02	04	06	08	10	12	14	16	18	20	22	24	26	28	30					
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily					
a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	noon	p m	p m	p m	p m					
7.00	7.30	8.00	8.30	9.00	9.30	10.00	10.30	11.00	11.30	12.00	12.30	1.00	1.30	2.00	2.30	3.00	3.30	4.00	4.30
7.10	7.40	8.10	8.40	9.10	9.40	10.10	10.40	11.10	11.40	12.10	12.40	1.10	1.40	2.10	2.40	3.10	3.40	4.10	4.40
a m	a m	a m	a m	a m	a m	a m	a m	a m	a m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m

ILLER DIVISION

502	504	506	508	510	512	514	516	518	520	522	524	526	528	530	532	534	536	538
Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily	Daily
a m	a m	a m	a m	a m	a m	a m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m
5.30	6.30	7.30	8.30	9.30	10.30	11.30	12.30	1.30	2.30	3.30	4.30	5.30	6.30	7.30	8.30	9.30	10.30	11.40
5.40	6.40	7.40	8.40	9.40	10.40	11.40	12.40	1.40	2.40	3.40	4.40	5.40	6.40	7.40	8.40	9.40	10.40	11.50
5.45	6.45	7.45	8.45	9.45	10.45	11.45	12.45	1.45	2.45	3.45	4.45	5.45	6.45	7.45	8.45	9.45	10.45	11.55
5.49	6.49	7.49	8.49	9.49	10.49	11.49	12.49	1.49	2.49	3.49	4.49	5.49	6.49	7.49	8.49	9.49	10.49	11.59
5.55	6.55	7.55	8.55	9.55	10.55	11.55	12.55	1.55	2.55	3.55	4.55	5.55	6.55	7.55	8.55	9.55	10.55	12.05
a m	a m	a m	a m	a m	a m	a m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	p m	a m

THE BACK OF THIS TIME TABLE.

9.25	11.25																			2.05	
9.26	11.26																				2.08
9.27	11.27																				2.16
9.31	11.31																				¹⁷⁸ 2.23 2.34
9.36	11.36																				^{18 21} 2.45
9.40	11.40																				2.48
9.45	11.45																				2.54
9.55	11.55																				²³ 3.05
p m	p m	a m																			p m
32	34	36																			152
Daily	Daily	Daily																			Daily Ex-Sun.

242	244	246	248	250	252
Daily	Daily	Daily	Daily	Daily	Daily
p m	p m	p m	p m	p m	p m
5.00	5.30	6.00	6.30	7.00	7.30
5.10	5.40	6.10	6.40	7.10	7.40
p m	p m	p m	p m	p m	p m

All trains will examine train register carefully at Hebron and ascertain that all overdue trains have arrived before leaving that station, noticing signals carried, if any.

Track between Idlewild Park and West Newark will be used as double track under protection of blocks.

All trains will register at Columbus, Hebron, Newark and Danesville.

Track between Third and Mound Street and Mound Street and End Double Track will be used as double track under protection of blocks.

Trains of same class will meet at points indicated on timetable unless such meeting points are changed by special order.

Full face type indicates meeting or passing points.

Trains will not leave Newark Terminal without clearance.

No. 6 take siding at Pooles for No. 3.

Local Trains will Stop at following Streets in Columbus

Third and Main Streets
Fourth and Mound Streets
Fifth Street
Seventh Street
Parsons Avenue

Eighteenth Street
Ohio Avenue
Linwood Avenue
Kelton Avenue
Seymore Avenue

SPECIAL INSTRUCTIONS

1. Standard Clocks.

Columbus.
 Hebron.
 Newark.
 Zanesville.

2. Bulletin Boards.

Columbus.
 Newark.

3. Train Register Stations.

Columbus.
 Hebron.
 Newark.
 Zanesville.

All trains will register at these stations. Train crews when in doubt as to register record will call dispatcher for instructions.

4. Train Order Blocks.

Hibernia.
 Etna.
 Hebron.
 Clay Lick.
 Pleasant Valley.

When signal indicates Stop (Red), trains will come to a full stop and report at once for orders and will not proceed until orders have been received from dispatcher or a clearance issued and the signal is clear.

5. Block Signals.

Trains will be governed by block signals in Columbus between Third and Mound Streets and end of double track; Newark between Idlewilde Park and East Newark, also at Y Bridge and Loop, Zanesville, as track is used jointly with trains of other lines. Defective blocks will be reported promptly to dispatcher.

6. Railroad Crossings at Grade.

Dunoye—T. & O. C. Ry.
 Hebron—T. & O. C. Ry.
 Newark—Pin St., Penna. Ry.
 Newark—Union St., Penna. Ry.
 Newark—East Main, B. & O. Ry.
 Newark—East Main, Penna. Ry.
 W. Zanesville—B. & O. Ry.
 Zanesville—B. & O. Ry.

7. Local Train Stops, Columbus.

Third and Main Streets.
 Fourth and Mound Streets.
 Fifth Street.
 Seventh Street.
 Parsons Avenue.
 Eighteenth Street.
 Ohio Avenue.
 Linwood Avenue.
 Kelton Avenue.
 Seymore Avenue.

8. Rights of Trains.

A train must not leave on any run without first reporting for orders. Extra trains cannot proceed without such orders. Regular trains may proceed on time-table rights, providing orders cannot be obtained from Dispatcher.

Full face type indicates meeting or passing points.

Trains of same class will meet at points indicated on time table unless such meeting points are changed by special order.

Time table trains lose right and class when three (3) hours late.

All local trains will take siding for limited trains at meeting points.

Conductors and Motormen will be held equally responsible for compliance with all rules and orders affecting the movement of their Trains.

First train arriving at a scheduled meeting point will, if the train to be met is not in sight, report at once for orders. Whenever a train cannot make a scheduled meeting point within ten minutes after schedule time, they will, before the meeting time, report for orders.

A second-class train is of inferior class to a first-class train. An extra train is of inferior class to a regular train of any class.

A train of inferior class must in all cases keep five minutes clear of the time of a train of superior class, running in either direction.

A train will not leave its initial station on a division or a junction, or pass from double to single track, until it has ascertained whether all trains due of same or superior class have arrived.

When there is more than one train to use a switch, it must not be left open unless one of the trainmen of the following train is there and takes charge of it.

Conductors and motormen will be held equally responsible for compliance with all rules and orders affecting the safety and movement of their trains.

In case of accident, delay, or making local stops in foggy or stormy weather conductors will use the proper danger signals to protect the rear of their trains.

In case of accident on a steam railroad crossing, both conductor and motorman must attend to protecting their car.

Approaching Meeting Points.

Conductors will give motormen 4 bells one-half mile from all scheduled and train order meeting points. Motormen will answer with one long and one short blast of whistle and make a test application of air, and will also make a safety stop when 1000 feet from each meeting point. After safety stop has been made, conductors will give motormen 2 bells to proceed. Trains not to exceed ten (10) miles per hour at all meeting points. Register Blanks will be exchanged at all positive meeting points.

Speed Limits.

Trains will not exceed speed of 10 miles per hour through any city or town on this division. Both motorman and conductor held responsible for violation of this rule.

Train Signals.

Two Green Flags by day in addition to two Green Lights at night in the place provided for that purpose on the front end of car denotes that there is another section following with the same schedule rights as the train displaying the signals.

Two White Flags by day in addition to two White Lights by night in the place provided for that purpose on the front end of car denotes that the train is an extra.

One long, followed by two short blasts of the whistle, thus — — — — —, is the motorman's signal to all trains met or passed, calling attention to signals displayed and must be promptly acknowledged by two short blasts of the whistle thus, — —.

LIST OF COMPANY SURGEONS.

Columbus.....DR. H. D. FARRAR,
 Office—Bell Main 4311. Citz. 4322. Residence—Citz. 5056.
 Etna.....DR. C. D. WATKIN.
 Kirkersville.....DR. V. L. KINNISON.
 Hebron.....DR. G. N. BROWN.
 Newark.....DR. U. K. ESSINGTON, Phone 1498 Auto.
 “.....DR. J. T. HARBOTTLE, Phone 1443 Auto.
 “.....DR. D. J. PRICE, Physical Examiner,
 20 E. Church St., Phone 1929 Auto.
 Zanesville.....DR. E. C. BRUSH, Phone 122.

1. All telephone calls for surgeons will have precedence over all other business.

2. In all cases of injury to passengers or employes requiring surgical aid, the surgeon of the company who can reach the point quickest must be immediately called by the officer in charge and the case put in his exclusive control. If impossible to secure immediate attendance of company's surgeon, other surgical aid should be promptly secured to attend until the arrival of the company's surgeon.

3. Upon the arrival of the company's surgeon he shall assume charge of the situation, making proper arrangement with the surgeon already in attendance for continuance or discontinuance of services.

4. Employes will be expected, whenever able to visit the company surgeon's office for treatment, except where their residence is remote therefrom.

Only One Supplement to this Tariff
will be in effect at any time.

G. F. D. No. 2331

Cancels issues shown
on page 2.

OHIO No. 554

Cancels issues shown
on page 2.

I. R. C. No. 51

Cancels issues shown
on page 2.
(REISSUE)
(DECREASE)

I. C. C. No. 411

Cancels issues shown
on Page 2.



THE OHIO ELECTRIC RAILWAY CO.

LOCAL FREIGHT TARIFF

NAMING

PROPORTIONAL CLASS RATES, Carload

AND

LOCAL AND PROPORTIONAL RATES

ON

GENERAL COMMODITIES

BETWEEN POINTS ON

The Ohio Electric Railway

(AS SHOWN WITHIN.)

Governed, except as otherwise provided herein, by the Official Classification No. 43, issued by R. N. Collyer, Agent, I. C. C.-O. C. No. 43, I. R. C.-O. C. No. 43, OHIO-O. C. No. 43, Ohio Electric Railway G. F. D. No. 2140, Supplements thereto and Reissues thereof, and by Exceptions to said Official Classification No. 43, issued by A. L. Neereamer, Agent, I. C. C. No. 18, I. R. C. No. 18, OHIO No. 18, Ohio Electric Railway G. F. D. No. 2310, Supplements thereto and Reissues thereof, except will not apply locally between points on Lima-Defiance Division, Stations No. 163 and Nos. 187 to 197 inclusive, as shown in Official List of Freight Stations, Ohio Electric Railway, I. C. C. No. 198, OHIO No. 270, G. F. D. No. 443-A, Supplements thereto and Reissues thereof. For Exceptions to apply locally between stations on Lima-Defiance Division, refer to Exceptions to said Official Classification No. 43, issued by E. Morris, Agent, I. C. C. No. 535, OHIO No. 448, Ohio Electric Railway G. F. D. No. 1996, Supplements thereto and Reissues thereof.

Issued September 20, 1916

Effective November 1, 1916

Agents Stamp Here

Date Received.

Issued by
W. S. WHITNEY,
General Freight Agent,
Springfield, Ohio.

(300)

Req. 5800.

TABLE OF CONTENTS.

	Pages
Abbreviations.....	4
Cancellations.....	2
Class Rates, Proportional.....	5
Commodities, Index of.....	3
Commodity, Rates.....	5 to 12
Proportional Class Rates.....	5
Rules and Regulations.....	4
Stations of Destination and Origin, Alphabetical List.....	4
Rates.....	5 to 12

CANCELLATIONS.

This Tariff cancels the following tariffs in full.

G. F. D. No.	OHIO No.	I. R. C. No.	I. C. C. No.	G. F. D. No.	OHIO No.	I. R. C. No.	I. C. C. No.
1969	532	47	389	2309	548	----	405
2228	544	----	401	2326	549	----	406
2277	545	----	402	2327	550	----	407
2288	546	----	403	2330	553	----	410

Rates carried in the above cancelled tariffs, but not carried in this tariff, are hereby cancelled. Class rates will apply thereafter, except,
 for rates on ^o▲◐Brick see Item No. 70.
 for rates on ^o▲◐Drain Tile see Items Nos. 390 and 395.

^oIncrease. ▲Decrease. ◐Reissue.

INDEX TO COMMODITIES.

Following list enumerates only such articles as are given specific rates; articles not specified will take class rates. For Joint Commodity Rates see G. F. D. No. 1899, Ohio No. 529, I. C. C. No. 387. Where reference is made to other tariffs, it means Supplements thereto and Reissues thereof.

COMMODITIES	Pages	COMMODITIES	Pages
Agricultural, Limestone.....	10	Hub Blocks.....	9
All Freight (Carloads).....	5	Ice.....	9
Ashes.....	7	Ice Cream.....	9
Asphaltum and Substitutes, N.O.S.	6	Ice Pans, Empty.....	10
Baskets, Empty.....	6	Iron and Steel Articles.....	9
Beer.....	6	Iron, Scrap.....	10
Beet Pulp.....	6	Joint Commodities.....	See G. F. D. 1899, Ohio 529, I. C. C. 387.
Bolts, Wooden.....	9, 10	Junk.....	10
Blocks, Hub.....	9	Lime.....	6
Brick:		Listings.....	9
Building.....	6, ☐	Live Stock.....	See G. F. D. 2207, Ohio 543, I. C. C. 400.
Common.....	6, ☐	Logs.....	9
Fire.....	6, ☐	Lumber.....	9
Furnace.....	6, ☐	Manure.....	10
Hollow.....	6, ☐	Milk.....	See G. F. D. 1848, Ohio 517, I. R. C. 45, I. C. C. 377.
Paving.....	6, ☐	Packers, Empty.....	10
Pressed.....	6, ☐	Pans, Ice, Empty.....	10
Butts, Wooden.....	9, 10	Petroleum and Products.....	10, also G. F. D. 1897, Ohio 527, I. C. C. 385.
Buckets, Oyster, Empty.....	6	Pipe, Sewer.....	12
By-Products of Grain.....	8	Plaster.....	6
Castings.....	6	Poles (Wooden).....	9
Cases, Empty.....	6	Posts, Fence, Wooden.....	9
Cement.....	6, ☐	Sand.....	8, 9, ☐
Cinders.....	7	Salt.....	10
Coal.....	7	Scrap Iron.....	10
Coke.....	7	Slag.....	10
Contractor's Grading Outfit.....	7	Stone, Crushed.....	10, 11, ☐
Coops, Chicken, Empty.....	8	Stone, Not Dressed.....	10
Crates, Empty.....	8	Stone, Rough and Sawed.....	11
Cream.....	See G. F. D. 1848, Ohio 517, I. R. C. 45, I. C. C. 377.	Straw.....	12
Curbing.....	☐	Tile, Building, Hollow.....	6
Fertilizer.....	8	Tile, Drain, Porous.....	12
Freezers, Empty.....	10	Wood, Cord.....	12
Grain, Grain Products.....	8		
Gravel.....	8, 9, ☐		
Hay.....	9		

☐ Also see G. F. D. 2329, Ohio 552, I. C. C. 409, for rates on these Commodities from Cedarhurst, Ohio, (T. & O. C. Ry. Con.) to Capital University Siding, Columbus, Ohio.

ALPHABETICAL LIST OF STATIONS OF DESTINATION AND ORIGIN.

Stations	Pages Inclusive	Stations	Pages Inclusive	Stations	Pages Inclusive
Alton.....Ohio	6 to 12	Germantown.....Ohio	6 to 10, 12	New Lebanon.....Ohio	6 to 10, 12
Arcanum.....Ohio	6 to 10, 12	Gomer.....Ohio	6 to 12	New Paris.....Ohio	6 to 10, 12
Bachman.....Ohio	6 to 10, 12	Gordon.....Ohio	6 to 10, 12	New Westville.....Ohio	6 to 10, 12
Bellefontaine.....Ohio	6 to 12	Granville.....Ohio	6 to 10, 12	Orient.....Ohio	6 to 10, 12
Belmore.....Ohio	6 to 12	Greenlawn.....Ohio	6 to 10, 12	Osborn.....Ohio	6 to 10, 12
Besanc n.....Ind	6 to 12	Greenville.....Ohio	6 to 10, 12	Ottawa.....Ohio	6 to 10, 12
Big Run.....Ohio	6 to 10, 12	Groesbeck.....Ohio	5 to 12	Overpecks.....Ohio	6 to 10, 12
Black Hand.....Ohio	6 to 10, 12	Grove City.....Ohio	6 to 10, 12		
Bowlusville.....Ohio	6 to 10, 12			Parkinsons.....Ohio	6 to 10, 12
Briggsdale.....Ohio	6 to 10, 12	Hamilton.....Ohio	6 to 10, 12	Pleasant Corners.....Ohio	6 to 10, 12
Brighton.....Ohio	5 to 12	Hanover.....Ohio	6 to 10, 12		
Brookville.....Ohio	5 to 12	Harmony.....Ohio	5 to 12	Reynoldsburg.....Ohio	5 to 10, 12
Buckeye Lake.....Ohio	5 to 10, 12	Haskins Road.....Ohio	6 to 12	Rice.....Ohio	6 to 12
Busenbark.....Ohio	6 to 10, 12	Hebron.....Ohio	5 to 12	Richmond.....Ind	6 to 10, 12
		Hibernia.....Ohio	5 to 10, 12	Rome.....Ohio	6 to 10, 12
Cairo.....Ohio	6 to 10, 12	Hill Grove.....Ohio	6 to 10, 12	Russels Point.....Ohio	5 to 12
Cedarhurst.....Ohio	5 to 10, 12	Huntsville.....Ohio	6 to 12		
Chautauqua.....Ohio	6 to 10, 12			Seitz.....Ohio	6 to 12
Cincinnati.....Ohio		Ithaca.....Ohio	6 to 10, 12	South Warsaw.....Ohio	5 to 12
Clay Lick.....Ohio	6 to 10, 12			Southerton.....Ohio	6 to 12
Clayton.....Ohio	5 to 12	Jaysville.....Ohio	6 to 10, 12	Springfield.....Ohio	5 to 12
Coletown.....Ohio	6 to 10, 12	Johnsville.....Ohio	6 to 10, 12	Stop 13 (D. U. C. Div.).....Ohio	5 to 12
College Hill.....Ohio	5 to 12	Jones City.....Ohio	6 to 12	Summerford.....Ohio	5 to 12
College Hill Jet.....Ohio	5 to 12			Symmec.....Ohio	6 to 10, 12
Columbus.....Ohio	5 to 12	Kalida.....Ohio	6 to 12		
Columbus Grove.....Ohio	6 to 10, 12	Kingsville.....Ohio	5 to 12	Taylorburg.....Ohio	5 to 12
Continental.....Ohio	6 to 12	Kirkersville.....Ohio	5 to 12	Tillmans.....Ind	6 to 12
Convoy.....Ohio	6 to 12			Toledo.....Ohio	6 to 10, 12
Cumminsville.....Ohio	6 to 10, 12	Lafayette (Madison Co.).....Ohio	5 to 12	Tontogany.....Ohio	6 to 12
Custar.....Ohio	6 to 12	Lake View.....Ohio	5 to 12	Trenton.....Ohio	6 to 10, 12
		Leipsic.....Ohio	6 to 12		
Dayton.....Ohio	6 to 10, 12	Lindenwald.....Ohio	6 to 10, 12	Union City.....Ind	6 to 10, 12
Defiance.....Ohio	6 to 12	Lima.....Ohio	5 to 12	Urbana.....Ohio	6 to 10, 12
Delphos.....Ohio	6 to 10, 12	London.....Ohio	5 to 12	Urbancrest.....Ohio	6 to 10, 12
Deshler.....Ohio	6 to 12				
Dixon.....Ohio	6 to 12	Maumee.....Ohio	6 to 10, 12	Van Wert.....Ohio	6 to 12
Dodson.....Ohio	6 to 10, 12	Medway.....Ohio	6 to 10, 12	Verona.....Ohio	6 to 10, 12
Dormington.....Ohio	6 to 12	Miamisburg.....Ohio	6 to 10, 12	Vienna.....Ohio	5 to 12
Durbin.....Ohio	6 to 10, 12	Middlepoint.....Ohio	6 to 12		
		Middletown.....Ohio	6 to 10, 12	Wagram.....Ohio	5 to 12
Eaton.....Ohio	6 to 10, 12	Millers.....Ohio	6 to 10, 12	Waterville.....Ohio	6 to 12
Elida.....Ohio	6 to 10, 12	Milton.....Ohio	6 to 12	Waynesfield.....Ohio	5 to 12
Enon.....Ohio	6 to 10, 12	Monroeville.....Ind	6 to 12	Wengerlawn.....Ohio	6 to 10, 12
Etna.....Ohio	5 to 12	Mt. Healthy.....Ohio	5 to 12	West Alexandria.....Ohio	6 to 10, 12
				West Carrollton.....Ohio	6 to 10, 12
Fairfield.....Ohio	6 to 10, 12	Nashport.....Ohio	6 to 12	West Jefferson.....Ohio	5 to 12
Fairview.....Ohio	5 to 12	Newark.....Ohio	6 to 12	West Liberty.....Ohio	6 to 10, 12
Foeke's.....Ohio	6 to 10, 12	New Burlington.....Ohio	6 to 12	Weston.....Ohio	6 to 12
Ft. McKinley.....Ohio	5 to 12	New Carlisle.....Ohio	6 to 12		
Ft. Wayne.....Ind	6 to 12	New Hampshire.....Ohio	5 to 12	Yoder.....Ohio	5 to 12
Franklin.....Ohio	6 to 10, 12	New Haven.....Ind	6 to 12	Zanesville.....Ohio	6 to 10, 12
		New Hope.....Ohio	6 to 10, 12	Zulu.....Ind	6 to 12

RULES GOVERNING THE TARIFF.

Commodity Rates—Whenever a carload (or a less than carload) commodity rate is established, it removes the application of the class rates to or from the same points on that commodity in carload quantities (or less than carload quantities, as the case may be).

Application of Rates From and To Intermediate Points on Interstate Traffic—Except as otherwise provided herein, from any point of origin from which a rate is not named herein, but which is located between any two points of origin from which rates are named herein, the rate will be the same as from the next more distant point from which a rate is named. Except as otherwise provided herein, to any point of destination to which a rate is not named herein, but which is located between any two points of destination to which rates are named herein, the rate will be the same as to the next more distant point to which a rate is named.

On Intrastate Traffic moving wholly within the State of Indiana, except as otherwise provided, agents are strictly prohibited from quoting or using a higher rate for a shorter than a longer distance over the same line in the same direction, the shorter distance being entirely included within the longer distance.

ABBREVIATIONS.

Abbreviations	Explanations	Abbreviations	Explanations
B. & O. S.-W. R. R.	Baltimore & Ohio Southwestern Railroad.	No.....	Number.
C. & E. R. R.	Chicago & Erie Railroad.	N. O. S.....	Not otherwise specified.
C. H. & D. Ry.....	Cincinnati, Hamilton & Dayton Ry.	R. R.....	Railroad.
Con.....	Connection.	Ry.....	Railway.
D.-U.C. Div.....	Dayton-Union City Division.	T. & O. C. Ry.....	Toledo & Ohio Central Railway.
D. T. & I. R. R.....	Detroit, Toledo & Ironton Railroad.		

PROPORTIONAL CLASS RATES, Carload.

NOTE—Whenever a carload (or a less than carload) commodity rate is established, it removes the application of the class rates to or from the same points on that commodity in carload quantities (or less than carload quantities, as the case may be).

Item No.	APPLIES ON	BETWEEN	AND	Rate per 100 pounds except as noted	Minimum Weight per Car
5	① All Freight except Live Stock, Carloads	*Cedarhurst.....Ohio (T. & O.C.Ry.Con. Doneys, Ohio)	{ Reynoldsburg...Ohio Wagram.....Ohio }	Fourth Class, 4.2 cents Fifth Class, 3.2 cents Sixth Class, 2.1 cents	} Classification.
10	① All Freight except Live Stock, Carloads	*Cedarhurst.....Ohio (T. & O.C.Ry.Con. Doneys, Ohio)	{ Etna.....Ohio }	Fourth Class, 5.3 cents Fifth Class, 4.2 cents Sixth Class, 3.2 cents	} Classification.
12	① All Freight except Live Stock, Carloads	*College Hill Jct...Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	Fourth Class, 5.3 cents Fifth Class, 4.2 cents Sixth Class, 3.2 cents	} Classification.
20	① All Freight except Live Stock, Carloads	Hebron.....Ohio (T. & O.C.Ry.Con.)	{ Etna.....Ohio Reynoldsburg...Ohio Wagram.....Ohio }	Fourth Class, 5.3 cents Fifth Class, 4.2 cents Sixth Class, 3.2 cents	} Classification.
25	① All Freight except Live Stock, Carloads	Hebron.....Ohio (T. & O.C.Ry.Con.)	{ Kirkersville...Ohio }	Fourth Class, 4.2 cents Fifth Class, 3.2 cents Sixth Class, 2.1 cents	} Classification.
30	① All Freight except Live Stock, Carloads	Lake View.....Ohio (T. & O.C.Ry.Con.)	{ New Hampshire.Ohio Waynesfield...Ohio }	Fourth Class, 4.2 cents Fifth Class, 3.2 cents Sixth Class, 2.1 cents	} Classification.
35	① All Freight except Live Stock, Carloads	Lima.....Ohio (C. & E.R.R.Con.)	{ New Hampshire.Ohio Waynesfield...Ohio }	Fourth Class, 5.3 cents Fifth Class, 4.2 cents Sixth Class, 3.2 cents	} Classification.
40	① All Freight except Live Stock, Carloads	Springfield.....Ohio (D.T. & I.R.R.Con.)	{ Harmony.....Ohio Vienna.....Ohio }	Fourth Class, 4.2 cents Fifth Class, 3.2 cents Sixth Class, 2.1 cents	} Classification.
41	① All Freight except Live Stock, Carloads	Springfield.....Ohio (D.T. & I.R.R.Con.)	{ *Brighton.....Ohio Summerford...Ohio London.....Ohio }	Fourth Class, 5.3 cents Fifth Class, 4.2 cents Sixth Class, 3.2 cents	} Classification.
42	① All Freight except Live Stock, Carloads	Springfield.....Ohio (D.T. & I.R.R.Con.)	{ Lafayette.....Ohio (Madison Co.) West Jefferson..Ohio }	Fourth Class, 6.3 cents Fifth Class, 5.3 cents Sixth Class, 4.2 cents	} Classification.
43	① ⑱ All Freight except Live Stock, Carloads	*Stop 13.....Ohio D.-U.C.Divn. (C.H. & D.Ry.Con. Haines, Ohio.)	{ Clayton.....Ohio Brookville...Ohio *Ft. McKinley...Ohio *Fairview.....Ohio Taylorsburg...Ohio }	Fourth Class, 4.2 cents Fifth Class, 3.2 cents Sixth Class, 2.1 cents	} Classification.

COMMODITY RATES.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car
44	① All Freight except Live Stock, Carloads	Columbus.....Ohio (Power House.) Columbus.....Ohio (B. & O.S.-W.R.R.Con)	Columbus.....Ohio (B. & O.S.-W.R.R.Con) Columbus.....Ohio (Power House.)	\$3.15 per car	
45	① All Freight except Live Stock, Carloads	Columbus.....Ohio (Car Barns.)	Columbus.....Ohio (B. & O.S.-W.R.R.Con.)	\$5.25 per car	
47	① All Freight except Live Stock, Carloads	*Buckeye Lake...Ohio Hebron.....Ohio (T. & O.C.Ry.Con.)	{ Hebron.....Ohio T. & O.C.Ry.Con.) *Buckeye Lake...Ohio }	\$6.00 per car	

*No Agent. Freight must be prepaid.

① Applies as proportional rate only, on traffic received from or delivered to steam railroads (as case may be), in steam railroad cars.

⑱ Issued under Special Permission No. 373, August 29, 1916, of the Public Utilities Commission of Ohio, and Ohio rates will be maintained as maximum rates for one year unless otherwise ordered by that Commission. Reissued from Ohio 553, effective September 3, 1916, I. C. C. 410, effective October 4, 1916.

COMMODITY RATES—Continued.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car.
50	①Asphaltum, N. O. S., and Asphaltum Substitutes, N. O. S., Carloads.....	*College Hill Jct...Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	2.4 cents.....	40,000 pounds.
55	Beer, Less Carloads.....	Toledo.....Ohio	Maumee.....Ohio	7.4 cents.....	
57	Baskets; Bread, Butcher, Laundry, Pie, (Empty.) Less Carloads.....	All Stations.....	All Stations.....	{ 5 cents each. Minimum charge per shipment, 10 cents..... }	
60	Beet, Pulp, Carload.....	Lima.....Ohio	Kalida.....Ohio	3.7 cents.....	40,000 pounds.
70	^⑪Brick, Carloads: Building, Common, Fire, Furnace, Hollow, Paving, Pressed, (Not Enameled), ^⑫Tile, Carloads: Building, Hollow.	⑦Mileage Rates.			50,000 pounds.
		10 miles and under.....	2.1 cents.....		
		20 miles and over 10.....	2.6 cents.....		
		30 miles and over 20.....	3.2 cents.....		
		40 miles and over 30.....	3.5 cents.....		
		50 miles and over 40.....	3.7 cents.....		
		60 miles and over 50.....	4.0 cents.....		
		70 miles and over 60.....	4.2 cents.....		
		80 miles and over 70.....	4.7 cents.....		
		90 miles and over 80.....	5.3 cents.....		
		100 miles and over 90.....	5.3 cents.....		
77	Buckets, Oyster, Empty. Less Carload.....	All stations.....	All stations.....	{ 2½ cents each. Minimum charge per shipment, 10 cents..... }	
80	Butts and Bolts, Wooden.....	See Items Nos. 250 to 265, Page 9.			
83	Cases; Egg, Pie, (Empty.) Less Carloads.....	All stations.....	All stations.....	{ 2½ cents each. Minimum charge per shipment, 10 cents..... }	
85	Castings, Iron or Steel, Loose or in Bundles, Boxes, Bags or Barrels, Carloads.....	Dayton.....Ohio Hamilton.....Ohio	Hamilton.....Ohio Dayton.....Ohio	7.9 cents.....	30,000 pounds.
90	Cement, Natural or Portland, Building, Lime, Common, Carloads.....	Continental.....Ohio Defiance.....Ohio Lima.....Ohio	{ Lima.....Ohio Gomer.....Ohio Kalida.....Ohio Continental.....Ohio *Southerton.....Ohio Defiance.....Ohio }	3.2 cents.....	{ 50,000 pounds, except when capacity of car is less, the actual capacity of car will govern, but in no case shall the minimum weight be less than 30,000 pounds.
95	①Cement, Natural or Portland, Building, Lime, Common, Plaster, Carloads.....	*College Hill Jct...Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	2.1 cents.....	{ 50,000 pounds, except when capacity of car is less, the actual capacity of car will govern, but in no case shall the minimum weight be less than 30,000 pounds.

^Decrease.

*No Agent. Freight must be prepaid.

①Applies as proportional rate only, on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

⑦The commodity rates shown in this item may be used only when no specific commodity rates have been provided. When governed by classification which also contains distance or mileage commodity rates, they will take precedence over the distance or mileage commodity rates in such classification. They may not be used either by themselves or in combination in preference to any specific commodity rate. These rates are based on distances shown in Official Table of Distances, I. C. C. No. 198, R. C. O. No. 270, G. F. D. No. 443-A, Supplements thereto and Reissues thereof.

⑫Rule 5-C Official Classification will not apply.

COMMODITY RATES—Continued.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car.
98	① Cinders, Ashes, Car-loads (F 35900, 8-10-15.)	*Cedarhurst.....Ohio (T. & O.C.Ry.Con. Doney, Ohio.)	{ *Hibernia.....Ohio Reynoldsburg...Ohio Wagram.....Ohio Etna.....Ohio *Parkinsons...Ohio Kirkersville...Ohio Hebron.....Ohio	26.3 } 31.5 } 36.8 }	Cents per ton of 2,000 pounds } 60,000 pounds.
100	① Cinders, Ashes, Car-loads	*College Hill Jet...Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy...Ohio	1.3 cents	60,000 pounds.
105	① Coal and Coke, Car-loads	*College Hill Jct...Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy...Ohio	40 cents per ton of 2,000 pounds	60,000 pounds.
110	① Coal and Coke, Car-loads	*Cedarhurst.....Ohio (T. & O.C.Ry.Con. Doney, Ohio.)	{ Reynoldsburg...Ohio Wagram.....Ohio Etna.....Ohio	25 cents per ton of 2,000 pounds	60,000 pounds.
115	① Coal and Coke, Car-loads	Hebron.....Ohio (T. & O.C.Ry.Con.)	{ Etna.....Ohio Kirkersville...Ohio	25 cents per ton of 2,000 pounds	60,000 pounds.
120	① Coal and Coke, Car-loads	{ Lake View.....Ohio (T. & O.C.Ry.Con.) Lima.....Ohio (C. & E.R.R.Con.)	{ New Hampshire.Ohio Waynesfield...Ohio New Hampshire.Ohio Waynesfield...Ohio	⑩ 25 } 40 } Cents per ton of 2,000 pounds	60,000 pounds.
125	Coal and Coke, Car-loads	Lima.....Ohio	{ Gomer.....Ohio Kalida.....Ohio Continental...Ohio *Southerton...Ohio Defiance.....Ohio	35 } 45 } 50 }	Cents per ton of 2,000 pounds } 60,000 pounds.
130	① Coal and Coke, Car-loads	Springfield.....Ohio (D.T. & I.R.R.Con.)	{ Vienna.....Ohio London.....Ohio Lafayette.....Ohio West Jefferson..Ohio Alton.....Ohio	25 } 40 }	Cents per ton of 2,000 pounds } 60,000 pounds.
133	① ⑬ Coal and Coke, Carloads	*Stop 13.....Ohio D.-U.C.Divn. (C.H. & D.Ry.Con.) (Haines, Ohio.)	{ Clayton.....Ohio Brookville...Ohio *Ft. McKinley..Ohio *Fairview.....Ohio Taylorsburg...Ohio	25 cents per ton of 2,000 pounds	60,000 pounds.
⑦ Mileage Rates.					
135	Coal and [▲] Coke, Car-loads	{ 25 miles and under 35 miles and over 25 50 miles and over 35		40 } 45 } 50 }	Cents per ton of 2,000 pounds } 60,000 pounds.
136	Contractor's Grading Outfit including Machinery and Steel Rails	{ Springfield.....Ohio (D.T. & I.R.R.Con.) Lafayette.....Ohio (Madison Co.)	{ Lafayette.....Ohio (Madison Co.) Springfield...Ohio (D.T. & I.R.R.Con.)	3 cents	40,000 pounds.

▲Decrease

*No Agent. Freight must be prepaid.

①Applies as proportional rate only, on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

⑦The commodity rates shown in this item may be used only when no specific commodity rates have been provided. When governed by classification which also contains distance or mileage commodity rates, they will take precedence over the distance or mileage commodity rates in such classification. They may not be used either by themselves or in combination in preference to any specific commodity rate.

Rates named in this Item are to be based on distances shown in Official Table of Distances, I. C. C. No. 198, R. C. O. No. 270, I. R. C. No. 4, G. F. D. No. 443-A, Supplements thereto and Reissues thereof.

⑩Issued in compliance with order of The Public Utilities Commission of Ohio in Case 469, May 25, 1915.

⑬Issued under Special Permission No. 373, August 29, 1916, of the Public Utilities Commission of Ohio, and Ohio rates will be maintained as maximum rates for one year unless otherwise ordered by that Commission. Reissued from Ohio 553, effective September 3, 1916, I. C. C. 410, effective October 4, 1916.

COMMODITY RATES—Continued.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car
137	Coops, Chicken, Empty, Less Carloads	All stations	All stations	{ 5 cents each. Minimum charge per shipment, 10 cents }	
138	Crates; Banana, Berry, Fruit, (Empty,) Less Carloads	All stations	All stations	{ 2½ cents each. Minimum charge per shipment, 10 cents }	
140	① Fertilizer, Carloads	*College Hill Jct...Ohio (C.H.& D.Ry.Con.)	{ College Hill...Ohio *Groesbeck...Ohio Mt. Healthy...Ohio }	2.1 cents	40,000 pounds.
145	③ Grain, Grain Products and By-Products of Grain, Carloads	Lima...Ohio Gomer...Ohio Kalida...Ohio Continental...Ohio *Southerton...Ohio Defiance...Ohio	{ Defiance...Ohio Lima...Ohio }	3.2 cents	③
150	② Grain, Carloads	Lafayette...Ohio	Columbus...Ohio	3.7 cents	40,000 pounds.
152	① Grain, Carloads Applies on all kinds of Grain classified as Sixth Class	New Hampshire...Ohio Waynesfield...Ohio (F 18751.)	{ Lima...Ohio (C.& E.R.R.Con.) }	2.1 cents	Classification.
155	③ Grain, Grain Products and By-Products of Grain, Carloads	*College Hill Jct...Ohio (C.H.& D.Ry.Con.)	{ College Hill...Ohio *Groesbeck...Ohio Mt. Healthy...Ohio }	① 2.3 cents	③
168	① Gravel and Sand, Carloads (F 35900, 8-10-15)	*Cedarhurst...Ohio (T.& O.C.Ry.Con. Doneys, Ohio.)	{ *Hibernia...Ohio Reynoldsburg...Ohio Wagram...Ohio Etna...Ohio *Parkinsons...Ohio Kirkersville...Ohio Hebron...Ohio }	26.3 } 31.5 } 36.8 }	{ Cents per ton of } 2,000 pounds } 60,000 pounds.
170	① Gravel and Sand, Carloads	*College Hill Jct...Ohio (C.H.& D.Ry.Con.)	{ College Hill...Ohio *Groesbeck...Ohio Mt. Healthy...Ohio }	1.6 cents	60,000 pounds.
175	⑤ Gravel and Sand, Carloads	Columbus...Ohio (Mt. Calvary Sand and Gravel Co.)	{ *Greenlawn...Ohio *Briggsdale...Ohio *Big Run...Ohio *Urbancrest...Ohio Grove City...Ohio *Pleasant Corners Ohio *Millers...Ohio }	31.5 cents per ton of } 2,000 pounds }	10,000 pounds.
178	①⑨ Gravel and Sand, Carloads (F 38749, 11-29-15.)	Hebron...Ohio (T.& O.C.Ry.Con.)	{ Kirkersville...Ohio Etna...Ohio Wagram...Ohio }	31.5 cents per ton of } 2,000 pounds }	60,000 pounds.
179	①⑩ Gravel and Sand, Carloads	Lake View...Ohio (T.& O.C.Ry. Con.) Lima...Ohio (C.& E.R.R.Con.)	{ New Hampshire...Ohio Waynesfield...Ohio *South Warsaw...Ohio *South Warsaw...Ohio Waynesfield...Ohio New Hampshire...Ohio }	26.3 } 31.5 } 26.3 } 31.5 }	{ Cents per ton of } 2,000 pounds } 60,000 pounds.

*No Agent. Freight must be prepaid.

① Applies as proportional rate only, on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

② Rate published herein on Grain, Carload, will apply on Barley, Buckwheat, Corn, Kaffir Corn, Milo Maize, Oats, Pop Corn (on the ear, or when in bags, barrels or in bulk, shelled), Rye, Speltz and Wheat.

③ Applies on all kinds of Grain, Grain Products and By-Products of Grain as specified and described in I. C. C. No. 386, Ohio No. 528, G. F. D. No. 1898, under caption "List of articles taking Grain, Grain Products and By-Products of grain rates and minimum weights to be applied," and Supplements thereto or Reissues.

④ Applies only when handled in side dump cars furnished by consignor.

⑤ Issued under Special Permission No. 245, November 29, 1915, of The Public Utilities Commission of Ohio, and rates named therein will be maintained as the maximum rates on Ohio State traffic for one year from date effective, unless otherwise ordered by that Commission. Reissue from OHIO 539, effective December 1, 1915.

⑩ Issued under Special Permission No. 363, August 17, 1916, of the Public Utilities Commission of Ohio and Ohio rates will be maintained as maximum rates for one year unless otherwise ordered by that Commission. Reissued from Ohio 549, effective August 21, 1916, and I. C. C. No. 403, effective September 21, 1916.

COMMODITY RATES—Continued.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car
180	① Gravel and Sand, Carloads	Springfield.....Ohio (D.T. & I.R.R. Con.)	{ Harmony.....Ohio Vienna.....Ohio Summerford.....Ohio London.....Ohio Lafayette.....Ohio West Jefferson.....Ohio Alton.....Ohio }	26.3 } Cents per ton of } 2,000 pounds } 31.5 }	60,000 pounds.
182	①③ Gravel and Sand, Carloads	*Stop 13.....Ohio D.-U.C. Divn. (C.H. & D.Ry. Con. Haines, Ohio.)	{ Clayton.....Ohio Brookville.....Ohio *Ft. McKinley.....Ohio *Fairview.....Ohio Taylorsburg.....Ohio }	26.3 cents per ton of } 2,000 pounds }	60,000 pounds.
185	Hay, Carload	Lafayette.....Ohio	Columbus.....Ohio	5.3 cents	20,000 pounds.
190	Hub Blocks, Rough, Bored or not Bored, Carloads	Kalida.....Ohio	Defiance.....Ohio	3.2 cents	40,000 pounds.
195	Ice, Carloads	Newark.....Ohio	*Buckeye Lake...Ohio	2.6 cents	40,000 pounds.
200	Ice, Carloads	{ Defiance.....Ohio Continental.....Ohio Lima.....Ohio }	{ Gomer.....Ohio *Jones City.....Ohio Kalida.....Ohio *Dornington.....Ohio Continental.....Ohio *Southerton.....Ohio Defiance.....Ohio }	3.2 cents	40,000 pounds.
205	① Ice, Carloads	*College Hill Jct...Ohio (C.H. & D.Ry. Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	2.1 cents	40,000 pounds.
207	Ice Cream, Less Carload	All stations	All stations	{ Packers of 5 gallons capacity or less, 25 cents per packer. Packers of more than 5 gallons capacity, but not more than 10 gallons capacity, 50 cents per packer.	
208	Ice Cream, in packers, Carloads	Springfield.....Ohio	*Medway.....Ohio	8.5 cents	20,000 pounds.
220	① Iron and Steel, Carloads Applies on all kinds of Iron and Steel Articles classified as Fifth and Sixth Class.	*College Hill Jct...Ohio (C.H. & D.Ry. Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	2.1 cents	40,000 pounds.
235	Listings, Carloads	Kalida.....Ohio	Continental.....Ohio	3.7 cents	30,000 pounds.
245	Logs, Carload	{ Continental.....Ohio *Rice.....Ohio *Southerton.....Ohio }	Defiance.....Ohio	{ 3.2 cents 2.6 cents 2.6 cents }	40,000 pounds.
250	Lumber, Logs, Butts, Bolts, Posts (Fence, Wooden), Carloads	{ Continental.....Ohio Defiance.....Ohio Gomer.....Ohio Kalida.....Ohio *Southerton.....Ohio }	Lima.....Ohio	{ 3.2 cents 3.7 cents 2.6 cents 3.2 cents 3.7 cents }	40,000 pounds.
255	Lumber, Logs, Butts, Bolts, Posts (Fence, Wooden), Carloads	Lima.....Ohio	{ Gomer.....Ohio Kalida.....Ohio Continental.....Ohio *Southerton.....Ohio Defiance.....Ohio }	{ 2.6 cents 3.2 cents 3.2 cents 3.7 cents 3.7 cents }	40,000 pounds.
260	Lumber, Logs, Butts, Bolts, Posts (Fence, Wooden), Poles (Wooden), Carloads	*College Hill Jct...Ohio (C.H. & D.Ry. Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	① 2.1 cents	40,000 pounds.

*No Agent. Freight must be prepaid.

① Applies as proportional rate only, on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

③ Issued under Special Permission No. 373, August 29, 1916, of the Public Utilities Commission of Ohio, and Ohio rates will be maintained as maximum rates for one year unless otherwise ordered by that Commission. Reissued from Ohio 553, effective September 3, 1916, I. C. C. 410, effective October 4, 1916.

COMMODITY RATES—Continued.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car
265	Butts and Bolts (Wooden), Carloads	Huntsville.....Ohio	Columbus Grove.....Ohio	5 cents.....	40,000 pounds.
270	Manure, Carloads.....	Columbus.....Ohio	Kirkersville.....Ohio	4.2 cents.....	20,000 pounds.
272	Packers or Freezers, Ice Cream, Empty, Less Carload.....	All stations.....	All stations.....	10 cents each.....	
273	Pans, Ice, Empty, Less Carload.....	All Stations.....	All Stations.....	10 cents each.....	
280	①④Petroleum and Its Products, Carloads.....	*College Hill Jct.....Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio	2.4 cents.....	40,000 pounds.
285	①Salt.....	*College Hill Jct.....Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio	2.1 cents.....	40,000 pounds.
290	Scrap Iron and Junk, Carloads.....	{ Continental.....Ohio Gomer.....Ohio Kalida.....Ohio Lima.....Ohio	Defiance.....Ohio	{ 84 84 } Cents per ton of 84 } 2240 pounds.... 105 }	44,800 pounds.
295	Scrap Iron and Junk, Carloads.....	Kalida.....Ohio	Lima.....Ohio	{ 63 cents per ton of 2,240 pounds.....	44,800 pounds.
300	Scrap Iron and Junk, Carloads.....	Defiance.....Ohio	{ Lima.....Ohio Kalida.....Ohio	105 } Cents per ton of 63 } 2240 pounds....	44,800 pounds.
305	Slag Stone, not Dressed Stone, Crushed, Carloads.....	*College Hill Jct.....Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio	①1.6 cents.....	40,000 pounds.
308	①Stone, Agricultural Limestone, Carloads.....	All Stations.....	All Stations.....	Sixth Class.....	50,000 pounds.
315	①Stone, Crushed, Carloads.....	*Cedarhurst.....Ohio (T. & O.C.Ry.Con. Deneys, Ohio)	{ *Hibernia.....Ohio Reynoldsburg.....Ohio Wagram.....Ohio Etna.....Ohio *Parkinsons.....Ohio Kirkersville.....Ohio Hebron.....Ohio	{ 26.3 31.5 } Cents per ton of 36.8 } 2,000 pounds....	60,000 pounds.
320	⑤Stone, Crushed, Carloads.....	Columbus.....Ohio	{ *Green Lawn.....Ohio *Briggsdale.....Ohio *Big Run.....Ohio *Urbancrest.....Ohio Grove City.....Ohio *Pleasant Corners Ohio *Millers.....Ohio	31.5 cents per ton of 2,000 pounds. }	10,000 pounds.
321	⑤Stone, Crushed, Carloads.....	Columbus.....Ohio	*Rome.....Ohio	{ 30 cents per ton of 2,000 pounds.....	10,000 pounds.

*No Agent. Freight must be prepaid.

①Applies as proportional rate only, on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

④Applies on Petroleum and Petroleum Products as specified and described in Official Classification governing this tariff under caption "Oil, Petroleum and Petroleum Products."

⑤Applies only when handled in side dump cars furnished by consignor.

COMMODITY RATES—Continued.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car
325	① Stone, Crushed, Carloads	Hebron.....Ohio (T. & O. C. Ry. Con.)	(⑦)Newark.....Ohio ▲Etna.....Ohio Kirkersville.....Ohio ▲Wagram.....Ohio	26.3 } 31.5 } Cents per ton of 2,000 pounds	60,000 pounds.
330	Stone, Rough and Sawed, Carloads	{Continental.....Ohio Defiance.....Ohio Lima.....Ohio	Kalida.....Ohio	{42 cents per ton of 2,000 pounds	40,000 pounds.
335	Stone, Crushed, Carloads	Lima.....Ohio (C. H. & D. Ry. Con.)	{Gomer.....Ohio *Jones City.....Ohio Kalida.....Ohio *Dornington.....Ohio Continental.....Ohio *Southerton.....Ohio Defiance.....Ohio	26.3 } 31.5 } Cents per ton of 2,000 pounds	80,000 pounds.
340	① Stone, Crushed, Carloads	Lima.....Ohio (C. & E. R. R. Con.)	{*Yoder.....Ohio *South Warsaw.....Ohio Waynesfield.....Ohio New Hampshire.....Ohio Lake View.....Ohio *Russels Point.....Ohio Huntsville.....Ohio Bellefontaine.....Ohio	26.3 cents per ton of 2,000 pounds	70,000 pounds.
343	⑬⑭ Stone, Crushed, Carloads	Middlepoint.....Ohio	{Van Wert.....Ohio Convoy.....Ohio Dixon.....Ohio Monroeville.....Ind *Tillmans.....Ind *Zulu.....Ind *Besancon.....Ind New Haven.....Ind Ft. Wayne.....Ind	27 } 32 } Cents per ton of 2,000 pounds 35 }	40,000 pounds.
345	① Stone, Crushed, Carloads	Springfield.....Ohio (D. T. & I. R. R. Con.)	{Harmony.....Ohio Vienna.....Ohio Summerford.....Ohio London.....Ohio Lafayette.....Ohio West Jefferson.....Ohio Alton.....Ohio	26.3 } 31.5 } Cents per ton of 2,000 pounds	60,000 pounds.
349	⑮⑯ Stone, Crushed, Carloads	Waterville.....Ohio	{Haskins Road.....Ohio Tontogany.....Ohio Weston.....Ohio Milton.....Ohio Custar.....Ohio Deshler.....Ohio *Belmore.....Ohio Leipsic.....Ohio	27 } 32 } Cents per ton of 2,000 pounds	40,000 pounds.
350	Stone, Crushed, Carloads	Waterville.....Ohio	Weston.....Ohio	{31.5 cents per ton of 2,000 pounds	60,000 pounds.
351	①⑰ Stone, Crushed, Carloads	*Stop 13.....Ohio D.-U. C. Divn. (C. H. & D. Ry. Con.) Haines, Ohio.)	{Clayton.....Ohio Brookville.....Ohio *Ft. McKinley.....Ohio *Fairview.....Ohio Taylorsburg.....Ohio	26.3 cents per ton of 2,000 pounds	60,000 pounds.

▲Decrease.

*No Agent. Freight must be prepaid.

①Applies as proportional rate only on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

⑬Applies only when loaded in equipment furnished by consignor.

⑭Issued under Special Permission No. 297, May 2, 1916, of the Public Utilities Commission of Ohio and Ohio rates will be maintained as maximum for one year unless otherwise ordered by that Commission. Reissued from OHIO No. 545, effective May 11, 1916.

⑮Issued under Special Permission No. 347, July 24, 1916, of the Public Utilities Commission of Ohio, and Ohio rates will be maintained as maximum for one year unless otherwise ordered by that Commission. Reissued from OHIO No. 548, effective July 29, 1916.

⑯Issued under Special Permission No. 364, August 23, 1916, of the Public Utilities Commission of Ohio, and Ohio rates will be maintained as maximum rates for one year unless otherwise ordered by that Commission. Reissued from Ohio No. 550, effective August 28, 1916, and I. C. C. No. 407, effective September 30, 1916.

⑰Issued under Special Permission No. 373, August 29, 1916, of the Public Utilities Commission of Ohio, and Ohio rates will be maintained as maximum rates for one year unless otherwise ordered by that Commission. Reissued from Ohio 553, effective September 3, 1916, I. C. C. 410, effective October 4, 1916.

COMMODITY RATES—Concluded.

Item No.	COMMODITY	FROM	TO	Rate per 100 Pounds except as noted	Minimum Weight per Car																						
355	Straw, Carloads.....	Lafayette.....Ohio	Columbus.....Ohio	5.3 cents.....	20,000 pounds.																						
365	①⑧⑩ Sewer Pipe, Car- loads.....	*College Hill Jct....Ohio (C.H. & D.Ry.Con.)	{ College Hill.....Ohio *Groesbeck.....Ohio Mt. Healthy.....Ohio }	2.1 cents.....	40,000 pounds.																						
⑦ Mileage Rates.																											
390	▲⑧⑩ Tile, Drain, Por- ous, Carloads.....			<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">10 miles and under.....</td><td style="text-align: right;">2.1 cents.....</td></tr> <tr><td>15 miles and over 10.....</td><td style="text-align: right;">2.6 cents.....</td></tr> <tr><td>20 miles and over 15.....</td><td style="text-align: right;">3.0 cents.....</td></tr> <tr><td>25 miles and over 20.....</td><td style="text-align: right;">3.2 cents.....</td></tr> <tr><td>30 miles and over 25.....</td><td style="text-align: right;">3.7 cents.....</td></tr> <tr><td>35 miles and over 30.....</td><td style="text-align: right;">4.0 cents.....</td></tr> <tr><td>45 miles and over 35.....</td><td style="text-align: right;">4.2 cents.....</td></tr> <tr><td>60 miles and over 45.....</td><td style="text-align: right;">4.7 cents.....</td></tr> <tr><td>75 miles and over 60.....</td><td style="text-align: right;">5.0 cents.....</td></tr> <tr><td>85 miles and over 75.....</td><td style="text-align: right;">5.3 cents.....</td></tr> <tr><td>100 miles and over 85.....</td><td style="text-align: right;">5.8 cents.....</td></tr> </table>	10 miles and under.....	2.1 cents.....	15 miles and over 10.....	2.6 cents.....	20 miles and over 15.....	3.0 cents.....	25 miles and over 20.....	3.2 cents.....	30 miles and over 25.....	3.7 cents.....	35 miles and over 30.....	4.0 cents.....	45 miles and over 35.....	4.2 cents.....	60 miles and over 45.....	4.7 cents.....	75 miles and over 60.....	5.0 cents.....	85 miles and over 75.....	5.3 cents.....	100 miles and over 85.....	5.8 cents.....	30,000 pounds.
10 miles and under.....	2.1 cents.....																										
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35 miles and over 30.....	4.0 cents.....																										
45 miles and over 35.....	4.2 cents.....																										
60 miles and over 45.....	4.7 cents.....																										
75 miles and over 60.....	5.0 cents.....																										
85 miles and over 75.....	5.3 cents.....																										
100 miles and over 85.....	5.8 cents.....																										
395	⑧⑩ Tile, Drain, Carloads (Loaded in steam Railroad cars only.)	Waynesfield.....Ohio	{ Lake View.....Ohio (T. & O.C.Ry.Con.) Lima.....Ohio (C. & E.R.R.Con.) }	\$8.40 per car.....																							
400	Wood, Cord, Carloads.....	{ Gomer.....Ohio Kalida.....Ohio Continental.....Ohio *Southerton.....Ohio Defiance.....Ohio }	Lima.....Ohio	3.7 cents.....	30,000 pounds.																						
405	① Wood, Cord, Car- loads.....	{ Lafayette.....Ohio London.....Ohio Summerford.....Ohio Vienna.....Ohio }	Springfield.....Ohio (D.T. & I.R.R.Con.)	3.7 cents.....	30,000 pounds.																						
410	Wood, Cord, Carloads.....	*Seitz.....Ohio	Defiance.....Ohio	3.7 cents.....	30,000 pounds.																						

▲Decrease.

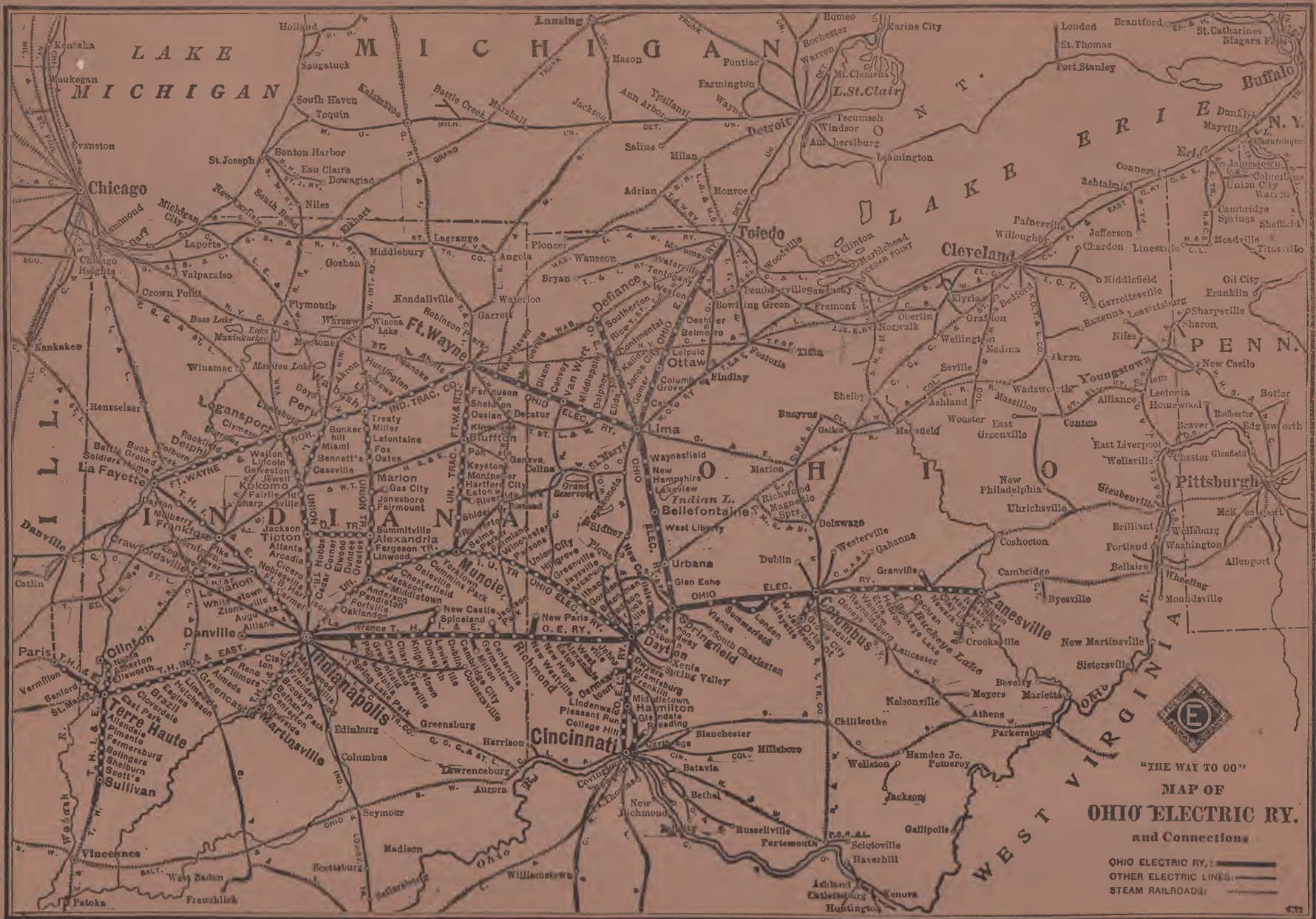
*No Agent. Freight must be prepaid.

①Applies as proportional rate only, on traffic received from or delivered to steam railroad (as case may be), in steam railroad cars.

⑦The commodity rates shown in this item may be used only when no specific commodity rates have been provided. When governed by classification which also contains distance or mileage commodity rates, they will take precedence over the distance or mileage commodity rates in such classification. They may not be used either by themselves or in combination in preference to any specific commodity rate. These rates are based on distances shown in Official Table of Distances, I. C. C. No. 198, R. C. O. No. 270, G. F. D. No. 443-A, Supplements thereto and Reissues thereof.

⑧Applies only when loaded and braced in accordance with requirements of classification governing this tariff. If not so loaded and braced, classification rating will apply.

⑩Rule 5-C Official Classification will not apply.



Telephones

The city of Newark is served by two telephone companies.

Newark Telephone Company is the local company. This company has one exchange in the city.

Subscribers -

- In city of Newark about - 4000
- In county on farmers lines - 360
- Outside city served from Newark Exchange - 1800

The Newark company operates an automatic telephone service in the city. By means of an attachment on the instrument direct connection is made with the party desired, without speaking the number desired to an operator.

A complete schedule of the rates charged by the Newark Telephone Company (as filed with the Public Utilities Commission) follows.

The Central Union Telephone Company is the Bell Company operating in Newark. The company has one exchange in the city. A total of about 1600 subscribers are served from this exchange.

Rates -

Business -

- Individual Line - \$36.00 per year
- Two party line - 24.00 " "

Residential -

- Individual Line - \$18.00 per year
- Two Party Line - 15.00 " "
- Four Party Line - 12.00 " "
- Rural Party Line - 15.00 " "

P. U. C. O. No. 1

THIS SCHEDULE CANCELS AND SUPERSEDES
ALL PRECEDING SCHEDULES

The Newark Telephone Co.

TELEPHONE BUSINESS

NEWARK, OHIO

Exchanges: Newark, Granville, Hanover, St. Louisville, Gratiot,
Somerset and Glenford

Issued March 1, 1915

Effective April 1, 1915

ISSUED BY

CHARLES E. HOLLANDER, General Manager

NEWARK, OHIO



P. U. C. O. No. 1
THE SCHEDULE CHARGES AND REGULATIONS
ALL PERMISSIBLE SCHEDULES

Rules and Regulations

1. Three months' rental in advance must be paid when contract for telephone is signed.
2. On the Newark city exchange a discount of 25 cents on business telephones, and 10 cents on residence telephones is made, if paid before the 10th of the month. If not paid before the last day of the month telephone will be disconnected.
3. All contracts are made for one year. Subscriber wishing to discontinue service before year has expired, must pay for the entire year, and sixty days notice in writing given after the year has expired.
4. Subscribers wishing to have telephone disconnected for any length of time, longer than two weeks, may do so and pay half rental. Payment of this half rental to be made at the same time and under the same conditions as other payments.
5. Subscribers may have one extension telephone installed at their own expense. The instrument and construction to be approved by the Telephone Company. The maintenance of this extension to be paid by subscriber.
6. Subscribers will be furnished with extension service by the Company at the rate of 50 cents a month, provided this extension is within 25 feet of main telephone, if not, installation to be paid for by subscriber at cost. The rate of \$1.00 per month is charged for extra name listing with extension.
7. A rural subscriber wishing to have a telephone installed more than 150 feet away from the Company's pole lines, must set his or her own poles. Same to be of standard size and height. The Company will string wire, and install telephone at its own expense.
8. Subscribers must pay for moving telephone if same has been installed for less than one year, after that time one move a year is allowed. More than one move a year must be paid for by subscriber at the rate of \$1.50 for private line telephone and \$1.00 for party line telephone.
9. Newark rural subscribers and subscribers of the exchanges at Granville, Hanover, St. Louisville, Gratiot, Glenford and Somerset accounts shall be paid quarterly on or before the 15th day of the middle month of the quarter at any office of the Company, or by check or money order, and if not paid before the last day of the quarter service may be discontinued.
10. Any telephone disconnected for non-payment shall be charged for at the full rate and the subscriber shall pay the expense actually incurred in re-establishing the service.

Rates for Newark, Granville, Hanover and St. Louisville Exchanges

AUTOMATIC SERVICE.

Individual line Business	\$2.75 per month: If paid on or before the 10th	\$2.50 Net.
Two party line Business	2.50 per month: If paid on or before the 10th	2.25 Net.
Four party line Business	2.25 per month: If paid on or before the 10th	2.00 Net.
Individual line Residence	1.85 per month: If paid on or before the 10th	1.75 Net.
Two party line Residence	1.60 per month: If paid on or before the 10th	1.50 Net.
Four party line Residence	1.35 per month: If paid on or before the 10th	1.25 Net.

MANUAL SERVICE.

Individual line Business	\$2.25 per month: If paid on or before the 10th	\$2.00 Net.
Two party line Business	2.00 per month: If paid on or before the 10th	1.75 Net.
Four party line Business	1.75 per month: If paid on or before the 10th	1.50 Net.
Individual line Residence	1.60 per month: If paid on or before the 10th	1.50 Net.
Two party line Residence	1.35 per month: If paid on or before the 10th	1.25 Net.
Four party line Residence	1.10 per month: If paid on or before the 10th	1.00 Net.

RURAL SERVICE.

Twelve Party Selective Rural Telephones	.....	\$1.50 per month.
Twelve Party Straight Bridging	.....	1.25 per month.

LOCAL TOLL RATES FROM NEWARK.

To all Licking County points, except Hanover, Granville and St. Louisville, 10c. for the first five minutes and 5c. for each additional minute. To Hanover, Granville and St. Louisville, free service, except one pay line to Granville: toll 5c. To all Knox County points 25c. for three minutes and 5c. for each additional minute. To Thornville, 10c. for three minutes and 5c. for each additional minute. To Somerset and Glenford, 15c. and 5c. for each additional minute.

Rates for Gratiot Exchange

MANUAL SERVICE

Individual line business	.....	\$2.00 per month
Individual line residence	.....	1.50 per month
Fifteen party line residence	.....	1.00 per month
Individual line in country	.....	2.00 per month

LOCAL TOLL RATES

From Gratiot to Newark	.....	10 cents
From Gratiot to Licking County points	.....	10 cents
From Gratiot to Somerset	.....	5 cents
From Gratiot to Junction City	.....	10 cents
From Gratiot to Thornville	.....	10 cents
From Gratiot to New Lexington	.....	10 cents

Rates for Somerset and Glenford Exchanges

MANUAL SERVICE

Individual line business	.....	\$2.00 per month
Individual line residence	.....	1.75 per month
Four party line business	.....	1.50 per month
Individual line residence	.....	1.50 per month
Two party line residence	.....	1.25 per month
Four party line residence	.....	1.00 per month
Eight party rural line	.....	1.25 per month

LOCAL TOLL RATES

From Somerset to Newark	.....	15 cents
From Glenford to Newark	.....	15 cents
From Somerset to Gratiot	.....	5 cents
From Somerset to Junction City	.....	5 cents
From Glenford to Junction City	.....	5 cents

Telephone....#2.

Calls to Martinsburg may be made from Newark without a toll charge. To all other outlying sections toll charges are in effect. Calls to Granville cost ten cents toll.

City Water

Newark's water system is municipally owned and operated. Water for use in the city is obtained from the Licking River.

A pumping station is maintained at a point to the north of the city on the North Fork of the Licking River. The infiltration intake system is used. A series of twelve 48" pipes are sunk in a gravel bar in the river. These pipes are perforated with a large number of holes and the water is pumped through them. The gravel bar in which the pipes are imbedded acts as a natural filter.

The pumping station is equipped with two pumps, one of which is kept in reserve. Pumping capacity of each pump is five million gallons in twenty-four hours.

The water is pumped to a height of 260 feet where it is stored in a storage reservoir with a capacity of 3,500,000 gallons. The daily consumption of water is about 2,500,000 gallons.

There are eighty-one miles of water mains in the city; and a total of 745 fire hydrants. Average pressure at hydrants is about 110 pounds. The pressure at a few *points* runs as low as ninety pounds and at others as high as 130 pounds, but at a large proportion of the hydrants, it is 110 pounds. The Fire Chief states that by special arrangement with the pumping station as high as 150 pound pressure can be obtained.

Water...#2.

The following table shows the additional miles of water mains laid, and additional hydrants installed each year for the last seven years. Figures are taken from the 1915 report of the City Engineer made to the Director of Public Service:

	<u>Additions by Years</u>						
	<u>1909</u>	<u>1910</u>	<u>1911</u>	<u>1912</u>	<u>1913</u>	<u>1914</u>	<u>1915</u>
Water Mains (Miles Laid)	-	5.353	1.976	0.388	1.557	0.822	0.64
Hydrants (No. installed)	-	41	14	3	18	7	7
					<u>1915</u>	<u>1916</u>	
Total miles of water main	-				79.859	81 miles	
Total number of fire hydrants	-				738	745	

Rates for city water are given in detail on Page 10 of the attached copy of the Rules and Regulations of the City Water Works.

There are several towns further north of Newark whose sewage empties directly into the North Fork of the Licking River without any purification by means of disposal plants. The city water of Newark is therefore contaminated by this refuse.

A request has been made by the city to have the state health officials make tests of the river water and investigate the conditions from Utica down. It is probable that this investigation will be made, and it may result in a different disposition of the sewerage of the towns along the river.

Water...#3.

No treatment is made of the water other than the filtration through the gravel bar. This condition appears to be very dangerous. While there is no record of any epidemic in the city from this cause, there is constant danger that the use of water polluted from sources above the pumping station of the city will lead to disastrous results.

It is recommended, therefore, that frequent tests be made and provision made for a chlorine or other chemical treatment so as to free the city from any such danger.

The following is the result of a test made by the state health department of city water on August 11.

Number of bacteria per c. c.	37 ⁰
Colex bacilli broth	All 5-10 c c
	Negative

The opinion of the state official is quoted:

"The examination shows the water to be of satisfactory quality, and we are accordingly issuing a certificate for its use".

Below are given analysis of eight different samples of the city water which were made by the Ohio State Department of Health. All the samples were gathered October 10, 1916 from the city water mains.

Water.....#4.

	Parts per Million		
	Sample 1	Sample 2	Sample 3
Sediment	Slight		
Turbidity	None		
Color	None		
Odor	None		
Nitrogen as,			
Ammonia Albuminoid			
Ammonia free			
Nitrites	0.000		
Nitrates	0.000		
Oxygen consumed	1.3		
Chlorine	9.0		
Alkalinity			
Total	212.0		
Phenol			
Caustic			
Incrustants	32.5		
Total Solids	282.0		
Less on ignition	11.0		
Total Iron	0.3		
No. of bacteria per cc 20°	595	814	4640
No. of bacteria per cc 37°	189	146	368
Colen bacilli bile - Neg. 1cc Pos. 10 cc	Neg. 1cc Pos. 10cc	Neg. 1cc Pos. 10cc	Neg. 1cc Pos. 10cc
Colen bacilli broth Neg. 1cc Pos. 10 cc	Neg. 1cc Pos. 10cc	Neg. 1cc Pos. 10cc	Neg. 1cc Pos. 10cc

Water....#5.

Parts per Million

	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8
Sediment		Distinct		Slight	
Turbidity		5		3	
Color		None		None	
Oder		None		None	
Nitrogen as,					
Ammonia Albuminoid					
Ammonia free					
Nitrites		0.000		0.000	
Nitrates		0.000		0.000	
Oxygen consumed		1.4		1.3	
Chlorine		7.0		8.0	
Alkalinity					
Total		216.0		208.0	
Phenol					
Caustic					
Incrustants		30.0		20.0	
Total Solids		325.0		312.0	
Loss on ignititon		9.0		27.0	
Total Iron		1.3		9.0	
NO.of bacteria per cc 20°	215	450	455	579	4468
No.of bacteria per cc 37°	29	95	136	68	270
Colon bacilli bile	(Neg.1cc (Pos.10cc.	Pos.1cc. Pos.10cc.	Pos.1cc. Pos.10cc.	Pos.1cc. Pos.1cc.	Neg.1cc Pos.10cc
Colon bacilli broth	(Neg.1 cc. (Pos.10cc	Pos.1 cc Pos.10cc.	Pos.1 cc Pos.10cc	Pos.1 cc Pos.10cc	Pos.1 cc Pos.10cc

RULES *and*
REGULATIONS

**For the Management
and Protection
of the**

City Water Works

of

Newark, Ohio

1916



**As Adopted by the Director of
Public Service 1911**

Amended 1916

RULES *and* REGULATIONS

For the Management
and Protection
of the

City Water Works
of
Newark, Ohio



As Amended and Adopted by the Director
of Public Service

1916

THE AMERICAN TRIBUNE



Section 3958 of The General Code of Ohio

For the purpose of paying the expenses of conducting and managing the water-works, such director may assess and collect from time to time a water rent of sufficient amount in such manner as he deems most equitable upon all tenements and premises supplied with water. When more than one tenant or water-taker is supplied with one hydrant or off the same pipe, and when the assessments, therefore are not paid when due, the director shall look directly to the owner of the property for so much of the water rent thereof as remains unpaid, which shall be collected in the same manner as other city taxes.

Rules and Regulations

Rule 1.—Water service connections will not be made at any premises until the owner or his duly authorized agent has made application therefor, upon a form prepared for the purpose, and signed a contract agreeing to be responsible for the water rent on said premises.

Rule 2.—No person other than the properly authorized agents of the Department of Public Service and acting thereunder, will be permitted to tap or make any connection with the main or distributing pipes of the waterworks.

Rule 3.—A single service pipe, intended to supply two or more distinct premises or tenements must be provided with separate and distinct curb cocks for each tenement, to be placed on the outside of each premises on the sidewalk, or in the public alley, opposite the same, as the water department may direct.

Rule 4.—Persons taking water must keep their service pipes and fixtures connected therewith in good repair and protected from frost at their own expense, and must prevent any unnecessary waste of water.

Rule 5.—No addition to or alteration of any taps, pipe, water-cock or other fixtures, shall be made, or caused to be made by persons taking water, except through a duly licensed plumber, and by permit obtained from the water department.

Rule 6.—Water consumers having a non-metered service in use prior to city's purchase of old plant and continuously since, will not be allowed to supply water to others, except by special permit from the water department. If found doing so, the water will be shut off and the offending consumer be required to install a meter for service.

Rule 7.—If a hydrant, street washer or hose is found out of order, or leaking or converted into a jet or jets or is suffered to run when not used by a person engaged in sprinkling, the water will be shut off if not metered, and only turned on again when a meter is installed.

Rule 8.—Steam boilers taking water from the waterworks, will be required to have tanks that will contain an ample supply of water for ten hours, in case the water is shut off for any purpose. The city will not be responsible for any accidents or damage should such be sustained by a violation of this rule.

Rule 9.—All rents other than those on meter are due and payable quarterly in advance, on the first of Janu-

ary, April, July and October, excepting exclusive sprinkling service, which are for the season, and are payable one-half each on the first of April and July. Failure to receive notice by mail shall be no excuse for not paying at the stipulated time.

Rule 10.—All rents on services not metered being unpaid on the last day of the month in which said amount is due shall be termed delinquent and the water shut off. No permit to renew said service will be granted until the delinquency has been paid and the consumer agrees to install a meter for future use.

Rule 11.—Whenever there is a transfer of ownership of real estate, upon which there was a non-metered water service, said transfer shall cancel all former agreements, understandings, permits and privileges, and said new owner shall be required to make application for water on meter the same as in a new application for water.

Rule 12.—The Water Department reserves the right to order any non-metered consumer to install a meter for further use, even when complying with all the rules of the department, by giving thirty days notice of such refusal to continue the service, the metered service being the only just method of ascertaining the amount of water assessment that may be charged against the premises.

Rule 13.—Meters will be read quarterly on or before the first of January, April,

July, October, of each year, and bills will be rendered on the fifth of the month, and if paid on or before the 15th of the month of issue, a discount of 10 per cent will be allowed. Failure to receive notice by mail will be no excuse to save the discount.

Rule 14.—All water rates are assessed against the premises, and not against the occupants thereof. If the owner of the premises elects to have his tenant or lessee pay the water assessment, and they fail to do so, the owner is responsible and the department may certify the amount of said unpaid water rent to the county auditor to be collected the same as other taxes, or the water shall be turned off at the curb-key for non-payment of water rent, not turned on again until all charges against the same are fully paid for.

Rule 15.—All water rents become delinquent on the 31st of the months of issue, viz., January, April, July and October, and shall be shut off without further notice, it being deemed sufficient notice of such assessment being due when the original cards mailed the consumer or owner. When shut off it shall not be turned on again unless the amount is paid in full and an additional charge of one dollar may be made to reimburse the water department for losses in time, etc., sustained by such delinquency of the premises.

Rule 16.—If a meter gets out of order and fails to register the consumer will be

charged at the average daily consumption, as shown by the meter when in order. All water that passes through a meter shall be paid for whether used or not. The water department reserves the right to repair all meters whenever necessary at the expense of the owner.

Rule 17.—The authorized agents of the Director of Public Service shall have free access at all reasonable hours of the day to all parts of the premises to which water is supplied, and upon discovery at any time of any irregularities in making attachment, the water may be shut off without notice, until a remedy has been provided satisfactory to the water department, and a fee of one dollar paid as an equivalent for the loss and damage sustained and labor and time spent in turning on and off the water.

Rule 18.—All water connections installed shall be supplied by meter only. The meter shall be furnished by the city and to be paid for by the consumer; no water will be supplied under existing meter rates, except through meters owned by the owner or tenant; the rates established being based on such ownership of meter as being equitable and just.

Rule 19.—Where real estate property upon which there are waterworks fixtures, is transferred from one party to another, the waterworks must be notified and all charges against the same paid in full. When this is not done and the trans-

fer becomes known through the department, the water will be shut off immediately.

Rule 20.—The flat rates as long as they are permitted to be used, and the minimum or ready-to-serve rate on meters, must be paid for the entire time whether the premises are occupied or not; unless the owner or tenant notifies the department immediately upon such vacancy of such fact and requests the department to shut the water off.

Rule 21.—Where the tenant pays the rent or assessment the owner of the premises, must immediately notify the water department of any change of tenants or to whom accounts shall be rendered and when not so reported the department will look primarily to the owner for such rent or assessment.

Rule 22.—No contractor shall use water from any service, unless the same be metered, for building purposes without first making application for the same to the water department, and securing a permit to use water; all owners or occupants are strictly prohibited from furnishing water as aforesaid or allowing the same to be taken from their service pipes unless the permit has been obtained from the water department: any failure to heed the rule will result in shutting off the water.

Rule 23.—When manufacturers and others desire fire protection, application must be made to the Director of Public Service; said application to be accompanied by a

diagram showing in detail the service requested. The line must be separate and distinct from the main to the property and no attachments for any other purposes than for fire will be permitted. The water department reserves the right of inspection at all times, and for such inspection an annual fee of \$1.00 will be demanded; and also reserves the right to seal any and all connections, which seals can only be broken in case of fire; should a seal be broken from any other cause the same must be reported to the water department within 24 hours.

Rule 24.—If any consumer or owner neglects or refuses to pay for repairs found necessary to be made to meters, or for water furnished, or permit any waste or use of water contrary to the provisions of these rules or ordinances for the management and protection of the city waterworks, the water will be turned off without any preliminary notice, and not turned on again until all such charges and damages shall have been paid.

Rule 25.—Any plumber wishing to obtain permission to make connections or attachments to the service pipes of the waterworks shall, before receiving a license permit to do so, state his willingness, and agrees to be governed by all and singular the rules and regulations of said water department as adopted and passed by the Director of Public service, and be subject to all rules, penalties and conditions heretofore or that may be hereafter adopted for the government of the waterworks.

Rule 26.—No plumber shall, after making any connections with the service pipes, or after making repairs, or putting in any new attachments, leave the curb-stop open and the water on the premises without permission from the water department.

Rule 27.—Any plumber leaving water turned on without the permission of the water department shall be held responsible for all water so used.

Rule 28.—Service connection will be furnished to the property line on such services where the pipe can be driven from the street across the sidewalk; in all cases where excavations are made beyond the property line, for storage or any other purposes and a wall is built of stone, concrete or other material, the water department only furnishes the line to the outside of the structure work. Whenever it may be beyond the property line, all fittings, valves, etc., shall be at the expense of the consumer.

Rule 29.—In furnishing the line from the street, the City Water Department will determine the size of the tap to be made in the water main under any application, and in no event will one consumer be granted a larger size unless said consumer pays the difference in cost of such increase desired over the standard tap as usually made.

Rule 30.—**Tariff or Water Rates as Established:** Ready to serve rate, \$4.00 per annum. (Every consumer agrees to use \$4.00 worth of water in a given year; if

not, they agree to pay the \$4.00). Up to 8,300 cubic feet per quarter, 15c per 100 cubic feet; 8,300 to 33,300 cubic feet, per quarter, 12½c per 100 cubic feet; 33,300 to 66,600 cubic feet, 10c per cubic feet; 66,600 upwards, per quarter, 8 1-3c per 100 cubic feet; subject to 10% discount if paid in 10 days after mailing statement; positively no discount after that date. Should the quarterly consumption exceed 1,500,000 cubic feet a rate of 41¼c per 1,000 cubic feet, but not subject to discount.

Water Waste by Leaking Fixtures

At the lowest pressure, 75 lbs, city mains (invariably the pressure is 25% higher than in table, and the waste will be larger.

Gallons Discharged Per Hour at Following Sizes of Streams:

1-16	1-8	3-16	1-4	3-8	1-2
57	229	513	1429	2052	3660

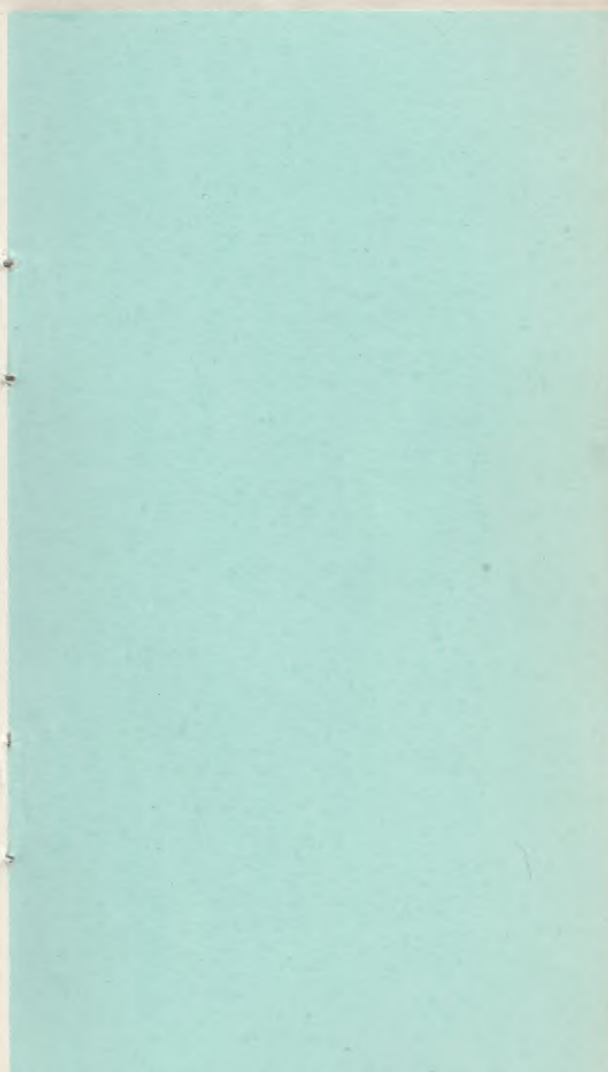
To find number of cubic feet divide by 7½.

How to Test Your Meter

A meter will not register more water than passes through it, popular opinion to the contrary notwithstanding, and if surprised at the amount of your bill, test your meter; it requires no expert to do it and a simple method is this. See that no water is being drawn from any of the fixtures and watch the circle on the dial registering the smallest number of cubic feet. If the hand moves at all there is a leak somewhere, the extent being shown by the movement of the hand. If this is the case find it and have it stopped. Finding no leak (the hand remaining stationary) draw into a tank or vessel, of which you know the exact contents, an amount of water, and you will find on referring to the dial that too much has not been registered; it may be less—more never.—From "Rules of Mansfield Waterworks."

REMEMBER.

A meter in working order registers NO MORE water than passes through it.



CHAPTER V

FINANCIAL INSTITUTIONS

Financial Institutions

Newark has in all eight banking institutions, divided as follows:

- National Banks..... 3
- Trust Companies..... 2
- Building & Loan Assoc 3

The eight banks and building and loan associations have combined resources of over \$10,283,000. Total deposits in the eight institutions aggregate nearly \$7,000,000.

1. Park National Bank

Officers -

- A. R. Linderf, President
- R. S. Ryeth Vice President
- W. W. Gard Cashier
- Clifford Frye Assistant Cashier

All of the above officers, and the following men are directors of the bank:

- C. L. Flery
- E. Corkwell
- W. W. Davis
- P. S. Phillips
- Geo. B. Spragus
- J. E. Rutledge

At the present time the Park National has 2,525 depositors of all classes. Of this total 1,325 are bank accounts, divided approximately as follows:

- Commercial accounts - 725
- Savings accounts - 300

There are about 1,000 time certificate accounts. On these and on the savings accounts interest is allowed at the rate of three per cent per annum.

Following is a copy of the bank's last published financial statement - dated November 17, 1916.

Liabilities and Capital

Capital stock paid in.....	100,000.00
Surplus Fund.....	20,000.00
Undivided profits.....	11,604.64
Less Current expenses, interest and taxes paid... <u>4,415.69</u>	7,188.95
Amount reserved for taxes accrued.....	639.00
Amount reserved for all interest accrued.....	400.00
Circulating notes outstanding.....	95,700.
Net amount due to banks and bankers.....	16,092.47
Dividends unpaid.....	753.00
Demand deposits -	
Individual deposits subject to check.....	168,118.34
Certificates of deposit due in less than thirty days.....	1,575.49
Certified checks.....	62.20
State County or other Municipal Deposits secured as above.....	1,249.10
Certificates of Deposit.....	110,450.87
Other time deposits.....	81,557.30
Total time deposits.....	192,008.17
Bills Payable other than with Federal Reserve Bank, including all obligations representing money borrowed other than rediscounts.....	<u>10,000.00</u>
Total Liabilities and Capital.....	\$613,786.62

Park National Bank - November 17, 1916.

Resources

Loans and Discounts		\$313,517.49
U.S. Bonds deposited to secure circulation (par value)		100,000.00
Bonds and securities pledged as collateral for state or other deposits (postal) excluded) or bills payable.)	18,300.00	
Bonds loaned (other than U.S. bonds)	66,300.00	
Securities other than U.S. bonds (not in-) cluding stocks) owned and unpledged)	16,933.99	
Total bonds, securities, etc.		102,033.99
Stocks of Fed. Res. Bank (50% of subscription)		3,600.00
Furniture and Fixtures		5,500.00
Net amount due from approved reserve agents) in New York, Chicago and St. Louis.)	4,513.30	
Net amount due from approved Reserve agents in other reserve cities.	29,216.86	33,730.16
Net amount due from banks. Bankers (other than above).		718.33
Other checks on banks in same city.		4,181.70
Outside checks and other cash items.	35.65	
Fractional currency nickels and cents.	74.50	110.15
Notes of other national banks		1,060.00
Lawful reserve in vault and with Fed. Res. Bank.		44,334.80
Redemption Fund with U.S. Treas. and due from U.S. Treas.		<u>5,000.00</u>
Total Resources		613,786.62

First National Bank

Officers -

November 17, 1916.

- F. S. Wright - President
- E. C. Wright - Cashier
- N. S. Suter - Assistant Cashiers.
- F. F. Wright -

The total number of depositors at the present time (1916) is 1,508. All of these are commercial accounts. No record of the number of depositors is available for past years, but there has been a gradual increase. For the last two years the annual increase has been about one hundred.

Below is given the last published financial statement of the bank.

First National Bank

Resources

Loans and discounts.....		\$640,072.03
Overdrafts, unsecured, \$20.73.....		20.73
U.S.bonds deposited to secure circulation (par value).....		25,000.00
Bonds other than U.S. bonds pledged to secure postal savings deposits.....	10,000.00	
Bonds and securities pledged as collateral for State, or other deposits (postal excluded) or bills payable.....	48,400.00	
Securities other than U.S. bonds (not including stocks) owned unpledged.....	36,985.73	
Total bonds, securities, etc.....		95,385.75
Stocks, other than Federal Reserve Bank stock...		12,800.00
Stock of Federal Reserve Bank fifty per cent of subscription).....		6,000.00
Value of banking house (if unencumbered).....		20,000.00
Net amount due from approved reserve agents in New York, Chicago and St. Louis.....	24,412.51	
Net amount due from approved reserve agents in other reserve cities.....	44,302.56 -	68,915.07
Net amount due from banks and bankers (other than included in 10 or 18).....		64,020.60
Exchanges for clearing house.....		2,130.46
Outside checks and other cash items.....	766.27	
Fractional currency, nickels and cents.....	275.37 -	1,042.34
Notes of other national banks.....		9,505.00
Federal Reserve notes.....		1,680.00
Lawful reserve in vault and with Federal Reserve Bank.....		73,899.98
Redemption fund with U.S.Treasurer and due from U. S. Treasurer.....		<u>1,250.00</u>
Total Resources.....		\$1,041,721.86

First National Bank

Liabilities

Capital stock paid in.....		\$100,000.00
Surplus fund.....		100,000.00
Undivided profits.....	\$107,181.74	
Less current expenses, interest and taxes paid...	1,089.53 -	106,092.16
Circulating notes outstanding.....		25,000.00
Net amount due to banks and bankers (other than included in 29 or 30).....		1,162.68
Individual deposits subject to check.....		496,851.28
Certificates of deposit due in less than 30 days.....		59,074.44
Certified checks.....		5,100.00
Cashier's checks outstanding.....		20.00
Postal savings deposits.....		6,362.53
Total demand deposits, Items 33, 34, 35, 36, 38, 39, and 40.....	567,408.25	
State, county, or other municipal deposits secured by items 3d and 4c of "Resources".....		142,058.77
Total of time deposits, Items 41, 42 and 43.....	142,058.77	
		<hr/>
Total Liabilities.....		\$1,041,721.86

3. Franklin National Bank

Officers -

W. A. Robbins - President
 A. F. Crayton - Vice President
 W. T. Sater - Cashier

Directors -

W. A. Robbins
 A. L. Thomas
 H. D. Woodbridge
 C. H. Spencer
 A. F. Crayton
 J. A. Chilcote
 Robbins Hunter

The total number of depositors at the present time is about 1,600. It is estimated that the number has increased from 1,200 to the above figure within the last three years.

The last published statement of the bank was made November 17, 1916. It was as follows:

Resources

Loans and Discounts.....	\$820,073.87
U. S. Bonds.....	50,000.00
Bonds Securities, etc.....	132,642.60
Furniture and Fixtures.....	8,349.00
Real Estate.....	10,400.00
Cash and due from banks.....	181,995.28
Redemption Fund and due from U.S. Treasurer....	<u>7,500.00</u>
Total Resources.....	\$1,260,959.75

Franklin National Bank

Liabilities

Capital.....	\$250,000.00
Surplus.....	50,000.00
Undivided Profits.....	39,750.25
Circulation.....	49,000.00
Deposits.....	<u>872,209.50</u>
Total Liabilities.....	\$1,260,959.75

4. Licking County Bank and Trust Company

Officers -

- E. T. Rugg - President
- C. L. V. Helts - Cashier and Treasurer
- Frank Yeot - Vice President

Depositors in the Licking County Bank

and Trust Company are of three classes:

- Savings)
- Time Certificates) Four per cent interest allowed
- Commercial)

Total number of depositors - about 3,500.

Financial statement of the bank issued September 30, 1916, follows

Resources

Loans on Real Estate.....		\$317,941.08
Loans on Collateral.....		146,380.52
Other Loans and Discounts.....		337,625.38
Overdrafts.....		1,389.24
State, County and Municipal Bonds not included in Reserve..		341,656.72
Premiums paid on U. S., State and Municipal Bonds.....		2,613.03
Other bonds and Securities.....		64,387.50
Banking House and Lot.....		22,000.00
Furniture and Fixtures.....		8,000.00
Other Real Estate owned.....		4,725.00
Cash Items.....		1,338.10
Due from Reserve Banks.....	\$388,415.68	
Exchanges for Clearing House.....	30,305.67	
Gold Coin.....	3,255.00	
Silver.....	2,200.00	
Fractional Coin.....	2,048.81	
U.S. and National Bank Notes.....	84,115.50	
Foreign Money.....	160.00	401,400.66
Items in transit.....		1,099.90
Other Resources.....		<hr/>
Total Resources.....		\$1,550,457.13

Licking County Bank and Trust CoLiabilities

Capital Stock paid in.....		\$200,000.00
Surplus Fund.....		36,000.00
Undivided Profits less Expenses, Interest and Taxes Paid.....		8,491.66
Individual Deposits subject to check.....	\$694,005.68	
Cashier's Checks.....	2,725.28	
Certified Checks.....	50.00	
Due to Banks and Bankers.....	47,954.32	
Time Certificates of Deposit.....	407,176.07	
Savings Deposit.....	<u>153,865.82</u>	1,305,777.17
Reserve for Taxes.....		<u>188.30</u>
Total Liabilities.....		\$1,550,457.13

5. Newark Trust Company

Officers -

- W. C. Metz - President
- W. H. Smith - Vice President
- Roe Emerson - Vice President
- L. T. Rees - Asst. Secretary and Treasurer.

Directors -

- A. H. Heisey
- J. R. Davies
- Roe Emerson
- J. S. Fulton
- C. C. Metz
- Wm. H. Smith
- A. B. Schaeveker
- S. F. Van Voorhis
- W. C. Metz

Total number of depositors (commercial and savings) at present time about eight thousand. Interest at four per cent is allowed on savings accounts.

The following is a condensed financial statement of the company as of November 17, 1916.

Resources

Loans and Discounts.....	\$1,593,846.66
Stocks and Bonds.....	405,149.68
Overdrafts.....	54.75
Banking House, Furniture and Fixtures.....	156,178.90
Cash on Hand and in Other Banks.....	<u>384,746.24</u>
Total Resources.....	\$2,539,975.83

Liabilities

Capital Stock.....	200,000.00
Surplus and Undivided Profits.....	160,765.12
Deposits.....	<u>2,179,219.81</u>
Total Liabilities.....	\$2,539,975.93

6. Home Building and Loan Association

Officers -

- E. M. Baugher - President
- A. F. Crayton - Vice President
- C. C. McGruder - Secretary
- Harry Scott - Asst. Secretary
- A. A. Stasel - Solicitor

Directors -

James K. Hamill,

and above officers, with exception of Mr. Harry Scott, the Assistant Secretary.

The company does mainly a savings bank business. Interest at four per cent per annum is allowed on savings accounts.

The company has had a remarkable growth in the last two years. Last year the savings accounts numbered about three thousand. Within the last year about five thousand new accounts have been opened, making a total at present of about eight thousand accounts.

The following is a statement of the company dated December 19, 1916.

Assets

Cash in Office.....	\$ 49,299.89
Cash in Bank.....	98,728.63
Deposits in Other Building and Loan Associa....	74,000.00
Deposits in Other Financial Institutions.....	27,500.00
Loans on Mortgage Security.....	1,537,927.16
Loans on Stock & P. B. Security.....	28,509.89
Loans on Other Security.....	2,410.00
Bonds.....	251,794.54
Real Estate - Office Building.....	74,211.41
Furniture and Fixtures.....	14,122.11
Premium on Bonds.....	8,472.97
General Expense (Six months).....	11,240.88
Total Assets.....	2,172,213.43

Liabilities

Running Stock.....	\$	1,954.03
Paid up Stock.....		51,800.00
Book Deposits.....		1,502,632.29
Regular Certificates of Deposit.....		201,515.89
Non-Negotiable Certificates of Deposit.....		264,099.74
Coupon Certificates of Deposit.....		10,600.00
Interest.....		2,174.37
Rent.....		43.00
Reserve Fund.....		130,000.00
Undivided Profit Fund.....		<u>13,394.16</u>

Total Liabilities..... \$3,173,213.48

The following statistics are taken from
the 1915 report of the company to the Superintendent of Banks.

Number of shares of stock in force.....	1,138
Capital subscribed and in force.....	\$113,800
Number of stockholders.....	66
Rate per cent interest charged.....	6%
Rate per cent dividend declared to running and paid up stock.....	4%
Rate per cent interest paid on deposits.....	4%
Number of shares loaned upon.....	13
Par value each share.....	\$100
Number of borrowers.....	1193
Plan of association.....	Permanent.

7. Licking County Building & Savings Company

Officers -

W. S. Weiant	-	President
A. H. Rickert	-	Vice President
O. C. Jones	-	Secretary
H. H. Wright	-	Assistant Secretary

This company started on the co-operative membership basis, but later found it unsatisfactory and changed to its present form. It now does a savings bank business, allowing five per cent interest on both the time and savings accounts.

Total number of depositors - 900

Savings	-	400
Certificates	-	500

The company's financial statement for the year ending December 31, 1915, follows:

Assets

Cash on Hand.....	\$ 22,823.05
Loans on mortgage security.....	473,082.08
Loans on stock, certificates or pass-book security.....	1,430.61
Furniture and fixtures.....	395.00
Due from borrowers for insurance and taxes..	<u>11.25</u>
Total Assets.....	\$497,691.99

Liabilities

Paid up stock and dividends.....	33,681.00
Deposits and accrued interest.....	437,585.95
Reserve fund.....	12,024.31
Undivided profit fund.....	<u>14,400.73</u>
Total Liabilities.....	\$497,691.99

Licking County Building & Savings Co....#2.

Disbursements

Loans on mortgage security.....	\$147,620.23
Loans on stock, certificates or pass book security	1,734.00
Withdrawals of deposits.....	221,957.96
Insurance and taxes paid for borrowers.....	47.50
Dividends on paid-up stock.....	1,959.00
Interest on deposits.....	19,711.36
Inspector's fee.....	66.12
Salaries of officers and directors.....	1,978.00
Office help, rent and legal services.....	1,350.00
All other expenses.....	715.56
Deposits by other building and loan associations withdrawn.....	3,800.26
Furniture and Fixtures.....	<u>85.67</u>
 Total Disbursements.....	 \$400,975.66
Cash on Hand.....	<u>22,822.05</u>
 Total.....	 423,797.71

Receipts

Deposits.....	\$259,899.05
Loans on mortgage security repaid.....	106,097.54
Loans on stock, certificates or pass-book security	2,734.82
Insurance and taxes refunded by borrowers.....	86.25
Interest.....	<u>28,037.84</u>
 Total.....	 \$396,805.50
Cash on hand at close of last fiscal yr.	<u>26,992.21</u>
 Total.....	 \$423,797.71

Profit and Loss

Earnings.	
Interest.....	\$ 28,037.84

Distribution

Dividends on paid-up stock.....	\$ 1,962.00
Reserve fund credit.....	242.55
Undivided profit credit.....	2,622.78
Interest on deposits.....	19,052.16
Salaries of officers and directors.....	1,978.00
Office help, rent and legal services.....	1,350.00
All other expenses.....	715.56
Inspector's fee.....	66.12
Furniture and fixtures.....	<u>41.67</u>

Total Distribution.....\$ 38,037.84

8.

Citizens Building and Loan Association

December 31, 1915.

Officers -

Julius D. McNamee, President
 H. H. Harris, Vice President
 Fred R. Reese, Secretary
 B. F. McDonald, Attorney.

Assets

Cash on Hand.....	\$ 29,673.82
Loans on mortgage Security.....	487,400.00
Loans on Stocks Certificates or Pass-Book security	11,400.00
Loans on all other security.....	500.00
Furniture and Fixtures.....	614.96
Real Estate.....	5,950.00
Real Estate sold on contract.....	1,905.88
Due from Borrowers for insurance and taxes.....	<u>1.86</u>

Total Assets..... \$537,445.52

Interest due and uncollected..... 3,150.00

Liabilities

Savings Deposits.....	29,658.44
Credits on Mortgage Loans.....	42,329.04
Credits on other Loans.....	36.40
Credits on Real Estate sold on contract.....	123.55
Paid up stock and dividends.....	88,206.54
Deposits and accrued interest.....	358,612.35
Reserve Fund.....	10,905.25
Undivided Profit Fund.....	7,439.95
Contingent Profit on Real Estate sold on contract	<u>124.00</u>

Total Liabilities..... \$537,445.52

Interest due and uncollected..... 3,150.00

Number of shares of stock in force.....	5734
Capital stock subscribed in force.....	\$573,400.00
Number of Stockholders.....	481
Number of Depositors.....	728
Rate per cent interest charged.....	6.24
Rate per cent dividend declared to running and paid stock.....	6%
Rate per cent paid on deposits.....	5 and 6%
Number of shares loaned upon.....	4879
Par Value each share.....	\$100.00
Number of borrowers.....	372
Plan of association.....	Permanent.

CHAPTER VI

AGRICULTURE

Agriculture

Newark, the county seat of Licking County, Ohio, is in the heart of one of the best agricultural sections of the United States. The county is self supporting so far as grains, and milk are concerned. Poultry products and vegetables are not produced in sufficient abundance, however, and should be developed. Increased production in these lines would help reduce the cost of living in Newark and, at the same time, would be profitable.

The raising of vegetables under glass, during winter months, is an important industry in Newark and is capable of large expansion owing to proximity to good markets.

The principal grain crops are corn, oats and wheat. Tomatoes, peas, potatoes and onions are the principal vegetables. The principal stock food is meadow hay.

Licking County, Ohio, Agriculture Statistics

Based on 1910 Census

Population - 55,590

Approximate Land Area of County - 428,160 acres.

Number of farms.....	4,307
Land in Farms.....	414,806 acres
Improved land in farms.....	357,929 "
Woodland in farms.....	43,630 "
Unimproved land in farms.....	-
Average improved acreage per farm.....	83.1
Average acreage per farm.....	96.3
Per cent land acreage in farms.....	96.9

Total Value of Farm Property

Land.....	\$19,143,745
Buildings.....	5,315,092
Implements and machinery.....	788,146
Domestic animals, poultry, and bees.....	3,385,445
Average value of land per acre.....	46.15
Average value of all property per farm...	6,648

Tenure

Farms Operated By Owners and Managers

Farms consisting of owned land only.....	3,780
Farms consisting of owned and hired land	472
Farms operated by managers.....	25
Farms operated by owners.....	3,252

Farms Operated by Tenants

Share tenants.....	573
Cash-share tenants.....	63
Cash tenants.....	324
Tenure not specified.....	70

Farm Mortgage Debt

Number farms free from debt.....	2,217
Number of farms with debt.....	1,009
Value of land and buildings (Owned Land farms Only)	\$3,633,940
Amount of mortgage debt.....	\$1,058,126
Per cent of debt to value.....	29.1

Number of Farms

(Classified by Size)

Under 3 acres.....	11
3 to 9 acres.....	262
10 to 19 acres.....	154
20 to 49 acres.....	420
50 to 99 acres.....	920
100 to 174 acres.....	836
175 to 259 acres.....	241
260 to 499 acres.....	90
500 to 999 acres.....	5
1000 acres and over.....	4

Live Stock Census and Valuation

	<u>Head</u>	<u>Value</u>
Cattle	32,500	\$879,684
Horses	14,771	1,494,691
Mules	238	27,530
Swine	46,178	288,935
Sheep	156,613	532,741
Poultry	293,495	156,197

Live Stock Products and Valuation

Dairy Cows	12,885
Milk (gal)	5,071,987
Butter (lb)	1,149,033
Cheese -	-

3371,778

Fleeces

Wool	119,601
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Poultry Products and Valuation

Poultry raised	329,141	
Eggs produced doz.	1,560,104	
		Total Value \$453,286

Apiary Products

	<u>Yield pound</u>	<u>Value</u>
Honey	5,277	
Wax	28	\$833.00

Crop StatisticsCereals

	Acreage	Yield Bu.
Corn	60,708	2,430,944
Oats	11,836	302,109
Wheat	29,471	483,270
Barley	24	329
Buckwheat	124	2,442
Rye	3,146	39,373

Hay and Forage

	Acreage	Yield Tons
Timothy	70,398	85,871
Tibothay and Clover	44,381	52,744
Clover	23,475	39,298
Alfalfa	2,132	3,119
Millet	169	413
Other cult. grasses	122	161
Wild, salt, or prairie,)	-	-
Grasses)	119	136
Grains cut green	119	359
Coarse forage	748	5,777
Root forage	-	-

Special Crops

	Acreage	Yield Bu.
Potatoes	2,555	226,833
Sweet Potatoes and yams	-	-
Vegetables	1,418	-
Tobacco	-	-
Peanuts	-	-

Grains and Seeds

Dry edible beans	5	66
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Sugar CropsMaple Sugar and Sirup

Trees	47,139
Sugar made (lb)	401
Sirup made (gal)	23,378

Orchard Statistics

	Trees	Yield Bu.
Apples	119,859	29,271
Peaches and Nectarines	47,100	6,401
Pears	9,785	1,472
Plums and Prunes	14,086	1,260
Cherries	19,079	1,904
Quinces	5,271	1,173
	Vines	Yield lb.
Grapes	1,286	76,811

Small Fruits

	Acreage	Yield qts.
Strawberries	47	95,383
Raspberries and loganberries	40	34,878
Blackberries and Dewberries	25	23,181
	Trees	Yield lb.
Nuts	70	1,220

Farm Expenses

	Amount
Labor -	
Cash expended	\$315,735
Rent and Board Furnished	74,796
Fertilisers	71,212
Feed	<u>103,707</u>
Total	\$568,450

Farm Receipts

Receipts from sale of feedable crops - \$368,548.

Agriculture - Licking County

The following agricultural statistics for Licking County are official figures from the Ohio Agricultural reports for 1913 and 1915:

	<u>Land Owned</u>	
	<u>1913</u>	<u>1915</u>
Acres owned.....	359,680	426,767
Acres cultivated.....	95,890	129,403
Acres of Meadow.....	67,022	
Acres of Pasture.....	151,278	
Acres of Woodland.....	31,917	
Acres lying waste.....	5,703	6,813
Acres arable.....		200,022
Acres of Timber.....		26,106
Acres of Orchard.....		4,413
No. of rods of tile drains constructed...		42,878

	<u>Live Stock Census</u>	
	<u>1913</u>	<u>1915</u>
Beef Cattle Owned.....	1,006	1,321
Milch Cows Owned.....	12,852	12,650
Other Cattle Owned.....	9,746	13,085
Total Cattle Owned.....	23,604	27,056
Horses Owned.....	13,930	12,594
Hogs Owned.....	22,809	28,980
Sheep Owned.....	93,302	73,482
Wool Shorn in 1913 (pounds).....	662,175	517,065 (1915)

	<u>Cereals</u>	
	<u>1913</u>	<u>1915</u>
Acres planted for corn.....	53,578	50,169
Bushels of corn yield.....	2,048,399	2,004,073
Acres planted for wheat.....	28,423	35,480
Bushels of wheat yield.....	247,143	672,195
Acres planted for barley.....	6	14
Bushels of barley yield.....	250	300
Acres planted for buckwheat.....	65	8
Bushels of buckwheat yield.....	961	95
Acres planted for rye.....	3,863	3,801
Bushels of rye yield.....	37,611	53,217
Acres planted for oats.....	10,564	5,589
Bushels of oats yield.....	364,538	126,254

Hay and Forage

	<u>1912</u>	<u>1915</u>
Acres in grass other than clover.....	61,996	68,674
Tons of hay produced.....	71,550	70,225
Acres of clover.....	1,424	5,288
Tons of clover hay produced.....	1,644	5,881
Acres of Alfalfa.....	193	672
Tons of Alfalfa hay.....	320	1,510

Special Crops

	<u>1912</u>	<u>1915</u>
Acres planted for potatoes.....	1,146	889
Bushels of potatoes produced.....	122,042	72,485
Acres planted for sweet potatoes.....	1	
Bushels of sweet potatoes produced.....	30	
Acres planted for tomatoes.....	30	14
Bushels of tomatoes produced.....	2,595	1,980
Acres planted for peas.....	12	7
Pounds of peas produced.....	11,900	1,275
Acres planted for onions.....	9	
Bushels of onions produced.....	3,125	305

Dairy Products

	<u>1912</u>	<u>1915</u>
Number of Dairies with four or more cows.	2,306	-
Gallons of milk sold for family use.....	992,387	1,014,708
Pounds of butter made in home dairies....	808,135	778,352
Pounds of butter made in factories and creameries.....	567,055	347,275
Pounds of cheese made in home dairies....		1,080
Gallons of milk sold not for family use..		405,793
Gallons of cream sold.....		212,693

Poultry Products

Dozens of eggs produced.....	1,368,413	1,236,028
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Sugar Crops

	<u>1912</u>	<u>1915</u>
Number of maple trees from which sugar or syrup was made.....	30,888	27,843
Gallons of syrup produced.....	8,115	9,989

Apiary Products

	<u>1912</u>	<u>1915</u>
Number of Bee Hives.....	404	256
Pounds of honey produced.....	2,592	844

Orchard Statistics

	<u>1912</u>	<u>1915</u>
Acres occupied by apple trees.....	3,511	3,744
Bushels of apples produced.....	95,208	209,042
Acres occupied by peach trees.....	179	319
Bushels of peaches produced.....	4,017	10,974
Acres occupied by pear trees.....	22	22
Bushels of pears produced.....	2,295	808
Acres occupied by cherry trees.....	4	61
Bushels of cherries produced.....	854	2,294
Acres occupied by plum trees.....	12	23
Bushels of plums produced.....	985	775
Acres occupied by other small fruits.....	25	33
Bushels of other small fruits produced.....	830	1,652

Pounds of grapes gathered.....	4,400	9,000

Fertilizer

Pounds used.....	6,594,325	8,001,520
Cost of fertilizer used (dollars).....	66,987	76,991
Tons of Lime used.....		129

CHAPTER VII

GEOLOGICAL RESOURCES

Natural Gas

The first gas well in the Newark field was begun in 1885 and was located along the western edge of the town. A show of gas was found in the Berea grit, but after drilling thru nine hundred feet of underlying shales, no better results were obtained. In 1886, a well was begun on the Everett Glass Company's property and a small flow of gas was found at a depth of 2385 feet. Although not unqualifiedly a success, this proved the existence of a field and other wells were started.

A flow of 300,000 cubic feet a day was obtained from a third well, and was piped to the glass works. After this a large number of wells were drilled and the city was piped.

All were small, however, and by the winter of 1889-90, proved inadequate to supply the demand. In 1901, only two of the wells were still producing, and both of these were small.

Limestone - Licking County

In the eastern end of Licking County the Carboniferous formations come in, especially in Bowling Green, Franklin and Hopewell townships. In this vicinity, the Maxville limestone is due and is reported to have been found and worked for road metal in 1832 and 1835, for construction of the National road to Columbus. Whether these old quarries came into Licking County is not known, but in any case they are not believed to represent a thick or important extension of the Maxville field. Nothing can be found of this formation in the gorge of the Licking river, eight or nine miles north.

The Mercer Limestones are generally thin and unimportant, but in some points in these same townships it thickens up in local basins. The following is a section of one of these on the land of William Gordon, three miles northwest of Brownville, in Hopewell township (about seven miles southeast of Newark).

	<u>Feet</u>	<u>Inches</u>
Shales	-	-
Iron Ore, in kidneys	0	4
Yellow Flint	0	6
Blue Shelby Limestone	9	0
Shale	0	6
Hard Blue Limestone	2	0
Coal	1	0

The analysis of this stone was as follows -

	<u>Per Cent</u>
Silica.....	44.64
Alumina.....	6.78
Oxide of Iron.....	2.20
Carbonate of Calcium.....	43.18
Carbonate of Magnesium.....	<u>1.09</u>
	97.89

Exclusive of the shale would materially improve the lime content of this stone. It would be an admirable means of introducing chemically active silica into a portland cement mixture composed of high calcium stone.

While no outcrop equal to this in thickness was found, it is entirely likely that others exist. No limestones higher than the Putnam Hill are believed to occur anywhere in this vicinity, and none of this formation was found of workable thickness.

The two limestone formations, therefore, which may be found in Licking County are the Maxville and the Mercer. It is not definitely known that any of the former has been quarried in the county, but some of it was worked in a section near the south eastern county line, and it is likely that the deposit extends into the county. This extension, however, is not believed to be very thick or important.

The Maxville limestone is markedly discontinuous. It is apparently a basin deposit, formed here and there where the topography of the surface caused lakes or lagoons to accumulate. These basins were probably not continuous, or in communication, with each other.

This formation in Ohio is found above drainage level in but few localities. The chief superficial deposit, and the only one where the formation has the least economic significance is the field referred to above as probably extending into Licking county. Its maximum extension is believed to be about thirty miles in length and from fifteen miles wide at its northern end to four to six miles wide at its southern end. These limits would include an area of about two hundred square miles, in Hocking, Perry, Muskingum and Licking counties. It is not believed, however, that the stone occupies

were than a small part of this area. In most of the territory, the formation should be under cover, but its outcrop does not appear at many places where it is stratigraphically due.

It is doubtful whether the small amount of this limestone presumably present in Licking County is of much economic importance, the Fultonham area being the only one of much real promise. This area begins near Mt. Perry, in Perry County, and extends southeast to a mile beyond White Cottage, and northward to the southern edge of Hopewell township in Muskingum County. The stone of this area (which is located about fifteen miles southeast of Newark) has been used for building stone and has been burnt for lime. Its most probable use in the future is for the manufacture of cement. Because of the unusual depth and purity of this bed, and its good location and nearby available fuel, it is a promising field for development along this line.

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The Mercer limestones are usually thin. They are dark blue in color, frequently full of globular flint or chert, and fossiliferous. They are seldom magnesian, but would make a dark cement, on account of the carbonate of iron which they usually carry. A twelve foot vein of this formation of favorable composition is visible about two miles southeast of Flint Ridge, in Licking County, and the stone could be easily quarried at that point. Careful sampling of this deposit shows the following analysis.

Limestons...#4.

Per Cent

Silica.....	44.54
Alumina.....	6.78
Ferric Oxide.....	2.20
Carbonate of Calcium.....	43.18
Carbonate of Magnesium...	<u>1.09</u>
 Total.....	 97.79

This stone would make a desirable material for mixture with purer limestone, as a means of introducing the necessary silica and alumina.

CHAPTER VIII

TRAFFIC REPORT

- TRAFFIC REPORT -

Railroad Facilities:

Newark, Ohio is served by the Newark Division of the Baltimore & Ohio Railroad, being located on its main line between Pittsburgh (176 miles East), Wheeling (109 miles East), Columbus (38 miles West) and Cincinnati (149 miles west); as well as on its Lake Erie Branch, which puts Newark in close touch with Sandusky and other lake ports. Baltimore & Ohio Main Line connections are made, at Pittsburgh and Grafton for points East to New York; at Cincinnati for points Southwest to St. Louis; at Chicago Junction for points West to Chicago.

Newark is also served by the Main Line of the Pittsburgh, Cincinnati, Chicago & St. Louis Railroad, which is the Pan Handle Route of the Pennsylvania System between points East and West.

Freight Service:

Three Quick Dispatch freight trains originate and two terminate daily at Newark - all over the Baltimore & Ohio.

Six through Quick Dispatch trains pass Newark daily, stopping to set off and pick up freight:

Baltimore & Ohio,.... 4
P. C. C. & St. L.,... 2

Four Local freight trains originate, and four terminate at Newark daily - all over the Baltimore & Ohio. Two such trains pass through over the P. C. C. & St. L., serving Newark.

Seven Tonnage (Ordinary freight) trains originate, and nine terminate daily - all over the Baltimore & Ohio. Two tonnage trains pass through Newark daily over the P. C. C. & St. L., which stop to pick up and set off freight.

L. C. L. Facilities:

The Baltimore & Ohio provides less-than-carload service in accordance with its official loading order, copy of which is attached.

The P. C. C. & St. L. makes daily cars to Pittsburgh, Transfer, Carnegie, Columbus and Chicago.

Express Service:

Wells, Fargo & Company Express serves Newark over the Baltimore & Ohio; Adams Express operating over the P. C. C. & St. L. Ry., and over the Ohio Electric Railway.

Freight Facilities:

The present Baltimore & Ohio facilities consist of a brick freight and warehouse, 36' x 136', with outside platform on each side; two tracks with capacity of 10 cars, and an 18-car auxiliary track across First Street; platforms for handling such freight as autos, from both side and end door cars. The Baltimore & Ohio's team tracks have a combined capacity of about 50 cars.

Plans have been approved for a new and modern freight outlay along Clinton Street, the Baltimore & Ohio thereby providing adequate facilities for the handling of Newark's business during the next fifty years. The first unit of this improvement will be constructed during the coming season.

At present the P. C. C. & St. L.'s facilities consist of a brick freight and warehouse, 40' x 146', with outside platform on each side; two tracks with capacity of 15 cars; a platform for loading and unloading such freight as autos. The Pan Handle's team tracks have a capacity of 22 cars.

It has also been announced that the P. C. C. & St. L. will build a new freight house at Newark in the near future.

The Baltimore and Ohio System :

The Baltimore and Ohio Railroad Co.
The Baltimore and Ohio Southwestern Railroad Co.

The Cincinnati, Hamilton and Dayton Railway Co.
The Staten Island Lines.

TRANSPORTATION DEPARTMENT.

BALTIMORE, MD., December 1st, 1913.

Loading Order No. 6, NEWARK, OHIO, Station.

(Superseding Loading Order No. 5, January 18, 1912, and subsequent changes.)

1. L. C. L. merchandise will be handled in cars as below scheduled.
2. Cars may be made, in addition to those enumerated, when the following minimum weights can be obtained:
5,000 pounds merchandise when destination is on same division as point of loading.
10,000 pounds merchandise when destination is not on same division as point of loading, or when destination is on a foreign line.
(Abbreviations: W—Way car. S—Straight car. D—Daily, except Sunday. X—Alternate days.)

L. R. No.	Straight or Way.	When Made.	Closing Hour.	CARD.	TRAIN.	LOAD AS FOLLOWS.
1	W	D	4.30 p m	Central City-Columbus Way.....	Local.	Points Central City to T. & O. C. Junction. Regardless of quantity.
2	S	D	4.30 p m	Chicago Junction Transfer.	Extra.	Chicago Junction; Chicago Division points, Chicago and connections; Lake Erie Branch between Mansfield and Sandusky and New Castle Division; Pittsburgh Division; C. T. & V., including Cleveland; C. L. & W. from Canal Dover north; Connellsville Division; Cumberland and all points east. Minimum 5,000 pounds.
3	S	D	4.30 p m	Cincinnati.....	199	All points and connections west of Hamden and west of Midland City. Minimum 10,000 pounds.
4	W	D	4.30 p m	Clay Lick-Cambridge Way.	30	Points Clay Lick to Cambridge. Regardless of quantity.
5	S	D	4.30 p m	Columbus.....	199	Columbus and connecting lines at Columbus; also B. & O. S. W. points Columbus to Midland City. Minimum 5,000 pounds.
6	S	Sat	4.30 p m	Elizabeth, N. J.	{ 98 to Cumberland, C.S.D. 94 to Dest'n.	Dairy freight for Elizabeth, N. J., and Newark, N. J. Regardless of quantity.
7	W	D	4.30 p m	Fair Oaks-Marietta Way...	{ 98 to Zanesville, 30 to Dest'n.	Points Fair Oaks to Harmer. Regardless of quantity.
8	W	D	4.30 p m	Knox-Mansfield Way.....	31	Points Knox to Mansfield. Regardless of quantity.
9	S	D	4.30 p m	Marietta.....	{ 98 to Zanesville, 86 to Dest'n.	Marietta; points between Marietta and Belpre; B. & O. S. W. points west of Belpre to Hamden, including Portsmouth Branch; Parkersburg and O. R. Division points south of New Martinsville, Monongah Division points between Parkersburg and Clarksburg. Minimum 5,000 pounds.
10	W	D	4.30 p m	Mineral Siding-Bellaire Way.....	30	Points Mineral Siding to Bellaire. Regardless of quantity.
11	..	D	4.30 p m	Newark (Store House).....	Switch.	Company material for Newark Store House. Regardless of quantity.
12	S	....	4.30 p m	New York (Pier 22).....	98	Dairy freight for New York and Brooklyn deliveries. Regardless of quantity.
13	W	D	4.30 p m	So. Newark-Shawnee Way.	216	Points South Newark to Shawnee. Regardless of quantity.
14	W	D	4.30 p m	Vanatta-Mt. Vernon Way..	31	Points Vanatta to Mt. Vernon. Regardless of quantity.
15	S	D	4.30 p m	Wheeling.....	98	Wheeling; Wheeling and Pittsburgh Branch; points Wheeling to New Martinsville, including W. Va. S. L., Cumberland Division west of Cumberland; Wheeling Division and Monongah Division points east of Clarksburg, including Monongah River R. R. and W. Va. & P. District. Minimum 5,000 pounds.
16	W	D	4.30 p m	Zanesville.....	98	Zanesville and Eastern Ohio Branch points. Minimum 5,000 pounds.

3. When it is necessary to make two cars to cover one local freight district the additional car will be made to run out at the station for which there is the greatest tonnage.

4. Freight which cannot be handled by local freight crew, by reason of its bulk or weight, will be loaded in a car carded to a transfer station or in a way car to be set off at destination.

5. L. C. L. shipments of large live stock, such as horses, etc., will not be loaded with merchandise, except when such stock is part of a consignment of household goods, movables or vehicles. L. C. L. shipments of small live stock, such as hogs, sheep, calves, poultry, etc., may be forwarded in regular merchandise cars, when crated. When uncrated, they will only be accepted and forwarded in accordance with instructions in Freight Tariff Department Circular No. 640, or B. & O. S. W.-C. H. & D. I. C. C. Tariff No. 1033-C.

6. L. C. L. shipments of explosives, inflammable articles and acids will be handled in accordance with instructions contained in General Notice No. 143.

7. Agents and local freight crews will load property so that it will carry safely to destination, and so that it will not become damaged by shifting while in transit; articles liable to damage by shifting or falling will be securely braced; way cars will be loaded in station order so that local freight crews can readily unload the freight. A report will be made to the General Superintendent of Transportation of cars received loaded contrary to these instructions.

8. L. C. L. cars will be card waybilled on Form 229 Q D, showing trains by which car is to be moved to destination. Card waybills for way cars will show the first and last stations for which they contain freight. Agents and local freight crews starting way cars to be used as pick-up cars, will make card waybills, indicating the district for which freight is to be picked up. Card waybills for L. C. L. cars containing live stock or live poultry will be marked "Live Stock." Card waybills for cars containing perishable property will be marked "Perishable."

9. Revenue waybills will be enclosed in envelope, Form 383-N, using a separate envelope for each car, and forwarded in time to reach destination by time of the arrival of the car. When train or U. S. Mail will not insure their delivery by this time, they will be enclosed in envelope and attached to card waybill.

10. Agents who load and forward L. C. L. cars for the same destination, or make way cars covering the same district, either daily or on alternate days, will make report, to the General Superintendent of Transportation on Form 2545-E.

C. C. RILEY,

General Superintendent of Transportation.

Switching, of carload property:

Baltimore and Ohio Railroad:

- Local..... - Coal and coke - 15 ¢ per 2,000 lb. (\$5 per car, minimum).
Other freight - \$2 per car, plus \$2 for use of equipment.
- Reconsignment - Coal and coke - 10 ¢ per 2,000 lbs. (\$3 per car, minimum).
Other freight - \$2 per car.

P. C. C. & St. L. Railway:

- Local..... - Coal and coke - \$4 per car.
Other freight - \$4 per car.
- Reconsignment - Coal and coke - \$2 per car.
Other freight - \$2 per car.

Baltimore & Ohio JOINT:
and P.C.C.& St.L.

Between industries on one line and industries on the other, within the switching limits of Newark, Ohio:

- Coal and coke - 20 ¢ per 2,000 lbs. (\$6 per car, minimum).
- Other freight - \$6 per car. (In B&O tariff this is set forth as \$4, plus \$2 for use of the equipment).

Reciprocal charges apply to and from private sidings on either line, on shipments from or to stations beyond Newark's switching limits, as follows:

- Coal and coke - 10 ¢ per 2,000 lbs. (\$3 per car, minimum).
- Other freight - \$2 per car,

such charges being absorbed by line performing road haul provided the net revenue to that line, and its connections, amounts to or exceeds a set minimum.

Switching Service:

The Baltimore & Ohio operates five cross and engines through the day, and five at night; the P. C. C. & St. L. one, during the day only.

Industries receive daily switching service, at a uniform time each day.

No supplement to this tariff will be issued except
for the purpose of cancelling the tariff.

I. C. C. No. 14893.
(Cancels I. C. C. No. 11114.)
Ohio No. 3955.
(Cancels R. C. O. No. 2507.)

The Baltimore and Ohio Railroad Co.

SWITCHING

---applying on---

ALL PROPERTY, except Coal, Coal Boulets or Briquettes and
Coke, in Carloads,

---at---

NEWARK, OHIO.

Within the following switching limits:

- Northern Boundary-Dixie Coal Co.
- Southern Boundary-South Newark.
- Eastern Boundary-Thomas Foundry Co.
- Western Boundary-Buckeye Rolling Mill Co.

Between industries located on tracks of B & O. R. R., also when delivered
to or received from connecting lines account industries..\$2.00 per car.

NOTES.

- Note 1.-In addition to the charge noted above on shipments between
industries on B. & O. R. R. tracks there will be an additional charge
of \$2.00 per car for use of equipment.
- Note 2.-On cars, switched between industries on B. & O. R. R. tracks and
industries on connecting line tracks there will be assessed the
joint charges of the lines handling the car with an additional
charge of \$2.00 per car for use of equipment.
- Note 3.-Carload property reconsigned from one siding to another siding
within the yard limits, after having once been placed for unload-
ing, will be subject to an additional charge of \$2.00 per car.
-

-Reduction.

B. & O. R. R...The Baltimore and Ohio Railroad Company.

Governed, except as otherwise provided herein, by the rules and regula-
tions of the Official Classification, R. N. Collyer's I. C. C.-O. C. No. 44,
Ohio O. C. No. 44 (B. & O. R. R. Agency Freight Tariff No. 1528), supplements
thereto and reissues thereof; and by exceptions to said classification,
B. & O. R. R. I. C. C. No. 14590, Ohio No. 3781, supplements thereto and reissues
thereof, except that the charge for property on a "per car" basis will
be assessed against each and every car handled, whether loaded, partly
loaded or used as an idler.

Issued February 26, 1917,

Effective April 2, 1917.

By H. C. SMITH,
Freight Tariff Agent,
Baltimore, Md.

E. N. KENDALL,
Division Freight Agent,
Columbus, Ohio.

P. F. FINNEGAN,
General Freight Agent,
Chicago, Ill.

C. S. WIGHT,
Gen'l Fr't Representative,
Baltimore, Md.

O. A. CONSTANS,
Freight Traffic Manager,
Chicago, Ill.

No supplement to this tariff will be issued except for the purpose of cancelling the tariff.

Coal and Coke Series I.C.C.No. **1234**.
(Cancels Coal and Coke Series I.C.C.No. 825.)

Ohio No. **3906**.
(Cancels R.C.O.No. **2506**.)

The Baltimore and Ohio Railroad Company.

SWITCHING

---applying on---

Coal, Coal Boulets or Briquettes and Coke, carloads,

---at---

NEWARK, OHIO.

Within the following switching limits:

- Northern Boundary-E.T.Rugg Co.
- Southern Boundary-South Newark.
- Eastern Boundary-Thomas Foundry Co.
- Western Boundary-Buckeye Rolling Mill Co.

Between point of connection with the Pittsburgh, Cincinnati, Chicago & St. Louis R'y and private sidings on Baltimore & Ohio R.R. within switching limits.	10 cents per 2000 pounds. (Minimum \$3.00 per car.)
--	---

Between sidings on Baltimore & Ohio R.R. within switching limits (except reconsignments).	15 cents per 2000 pounds. (Minimum \$5.00 per car.)
---	---

Reconsignments between sidings on Baltimore & Ohio R.R. within switching limits, after cars have been placed for unloading by original consignee.	+10 cents per 2000 pounds. (Minimum \$3.00 per car.)
---	--

+Advance.

ISSUED FEBRUARY 23, 1917

EFFECTIVE APRIL 1, 1917.

BY-H. C. SMITH,
Freight Tariff Agent,
Baltimore, Md.

H. A. COCHRAN,
Gen'l Coal Fr't Agent,
Baltimore, Md.

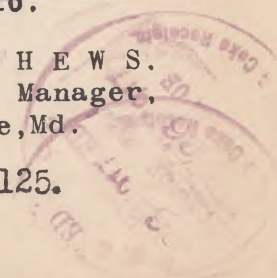
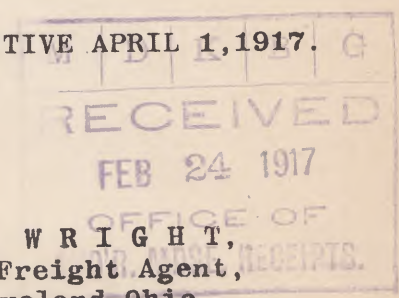
C. R. WRIGHT,
Coal Freight Agent,
Cleveland, Ohio.

C. S. WRIGHT, Gen'l Fr't Representative, Baltimore, Md.	O. A. CONSTANS, Fr't Traffic M'g'r. Chicago, Ill.	H. M. MATTHEWS, Coal Traffic Manager, Baltimore, Md.
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File 201952. H.A.C.1053.

P.O. 38248.

125.



Switching Sidings:

The following industries are served by side tracks,
connecting with railroads as indicated:

Advance Glass Company,	B&O-PCC&STL
American Bottle Company, The	B&O-
Bader, George E. (Beer)	B&O-
Brown & Company, C. S. (Hay-Grain)	B&O-
Buskeys Rolling Mill Company,	B&O-PCC&STL
Burke-Goff Company, (Golf sticks)	B&O-
Blair Motor Truck Company,	B&O-PCC&STL
Camp, E. H. (Coal)	B&O-
Consumers Brewing Company,	B&O-
Dixie Coal Company,	B&O-(2)
Freedom Oil Works Co.,	-PCC&STL
Franklin Brewing Company,	B&O-
Graff, William (Beer)	B&O-
Hatfield & Provin, (Coal)	-PCC&STL
Heisey Company, A. H. (Glassware)	-PCC&STL
Hulshizer Milling Company,	B&O-
Jewett Car Company,	B&O-PCC&STL
Jones, J. C. (Slate-Hardware)	B&O-
Kent Brothers, (Feed-Hay)	B&O-
Kerr, C. S. (Food)	-PCC&STL
Lane, G. W., (Bridge Builders)	B&O-
Maurath, E. J., (Coal-Brick-Tile)	-PCC&STL
Meredith, J., (Coal)	B&O-
Miller & Co., C. W. (Packing House)	B&O-
Montgomery, Wesley, (Lumber)	-PCC&STL
Municipal Water Works	B&O-
Newark Art Stone & Plaster Co.,	B&O-PCC&STL
Newark Crystal Ice-Coal Co.,	B&O-
Newark Ice & Cold Storage,	B&O-
Newark, Ohio Furniture Company,	B&O-
Newark Provision & Packing Co.,	B&O-PCC&STL
Newark Reflector Works, (Lamp shades)	-PCC&STL
Newark Stamping & Foundry Co.,	B&O-
Newark Warehouse & Storage	B&O-
Newark Waste Paper Co., (Junk)	B&O-
Ohio Light & Power Co.,	B&O-
Ohio Well Supply Company (Oil well supplies)	B&O-
Oshorn & Company, C. S. (Coal-Feed)	-PCC&STL
Rugg Company, E. T. (Rope-Halters)	B&O-
Simpson Foundry Company, The	B&O-
Smith's Sons Lumber Co., P.	B&O-
Soliday, W. T. (Coal)	B&O-
Sprague Grocery Company,	B&O-
Standard Oil Company,	B&O-PCC&STL
Stevens, Chas. W.	B&O-
Tenney & Morgan (Hay-Grain-Wool)	B&O-
Tucker Boiler Works,	B&O-

Switching Sidings (cont):

Eagonheim, John (Concrete-Cement)	B&O-
Wenkley, J. W. (Tinner-Slater)	B&O-
Webb & Webb, (Lumber)	B&O-PCC&StL
Wehrle Company, The (Safe -Stove Mfgs)	B&O-PCC&StL
White Lumber Company,	B&O-
Weythe Baggy Company,	B&O-
Wythe-Scott Company (Concrete-stone-tile)	B&O-

Freight Delivery Time:

The following table indicates the number of days required on an average for the delivery of freight from Newark, Ohio at points shown, and vice versa:

	<u>L. C. L.</u>	<u>Carload</u>
New York,	4	3
Philadelphia,	4	3
Baltimore,	4	3
Atlanta,	5	4
Cincinnati,	1	1
St. Louis,	4	3
Chicago,	3	2
Detroit,	4	3
Cleveland,	4	3
Pittsburgh,	3	2
Buffalo,	5	4
Albany,	5	4
Boston,	6	5

Freight Rates:

Following is table of freight rates per 100 lbs. from Newark, Ohio to points indicated:

<u>Destination</u>							<u>Rate</u>	<u>Rate</u>
	<u>1.</u>	<u>2.</u>	<u>3.</u>	<u>4.</u>	<u>5.</u>	<u>6.</u>	<u>25</u>	<u>26</u>
New York,	58.3	50.5	38.9	27.2	23.3	19.5	42.9	31.1
Philadelphia,	55.3	48.5	36.9	25.2	21.3	17.5	41.2	29.5
Baltimore,	55.3	47.5	35.9	24.2	20.3	16.5	40.4	28.7
Atlanta,	136.9	118.3	102.0	82.2	67.0	54.9	--	--
Cincinnati,	29.9	26.3	21.0	14.2	11.0	8.9	22.4	16.8
St. Louis,	50.4	43.6	33.1	23.6	20.0	15.2	37.1	26.5
Chicago,	43.3	37.0	27.5	19.1	15.9	12.8	31.5	22.0
Detroit,	25.7	21.0	23.6	15.8	13.1	10.5	26.4	18.9
Cleveland,	28.9	25.2	21.0	13.7	10.5	8.9	21.4	16.8
Pittsburgh,	31.5	27.3	22.1	14.2	11.6	9.5	23.2	17.7
Buffalo,	40.4	34.7	25.7	17.3	14.7	11.6	29.5	20.6
Albany,	56.0	48.5	37.3	26.1	22.4	18.7	41.2	29.8
Boston, (all rail)	65.3	56.5	43.9	31.2	26.2	21.5	48.0	35.1
" (rail-water)	62.3	54.0	41.9	29.7	25.3	20.5	45.9	33.5

Passenger Facilities and Service:

The Baltimore & Ohio and the P. C. C. & St. L. both use the former's passenger facilities at Newark in common.

Twenty-two (22) through express passenger trains serve Newark daily, eight over the Baltimore & Ohio and fourteen over the P. C. C. & St. L., affording the traveling public frequent and convenient accommodations to all the principal cities of the United States.

Six local passenger trains originate, and six terminate at Newark daily - all over the Baltimore & Ohio. In addition to these, six local passenger trains pass through Newark daily, stopping to receive and discharge passengers:

Baltimore & Ohio,	3
P. C. C. & St. L.,	4

Railroad Representatives at Newark:

Baltimore & Ohio Railroad,	Superintendent and staff; Agent.
P. C. C. & St. L. Railway,	Agent.

Besides headquartering its Newark Division the Baltimore & Ohio Railroad has large shops located at Newark.

CHAPTER IX

RETAIL ESTABLISHMENTS

Retail Stores

Below is given a list of some of the leading retail stores of Newark in each line of trade.

Groceries and Meat Markets -

Abram Brothers
 Arcade Meat Market
 C. E. Boggs, Manager.
 Morris C. Barrett
 John C. Brown
 Conrad Grocery Company
 Fenwick B. Clement, President
 Frank G. Dugan
 Frank Fleishman
 Edward E. Hess
 James A. Krieder
 Clarence E. Love
 David C. Mets
 James P. Murphy
 Frank M. Schlapf
 Harvey Sheppard
 Speers Brothers
 Louis E. Speers
 Charles A. Speers
 Thomas W. Dapler
 Clarence A. Johnson
 Harvey A. Shoemaker

Dry Goods and Department Stores -

John J. Carroll
 W. H. Mazie Company
 W. H. Mazie, President and Manager
 Meyer and Lindorf
 C. H. Otto Meyer
 A. R. Lindorf
 Adolph Schiff
 Regen Lear & Company
 Louis Regen
 H. F. Lear
 E. Schonberg

Clothiers, Hatters and Furnishers -

George Hermann
 Cornell Clothing Company
 A. H. Weeman, Manager
 Mitchell and Miracle
 John H. Mitchell
 Asa V. Miracle
 The Hub
 C. F. Rader, President
 H. W. Robinson, Manager

Boot and Shoe Stores -

The Walkover Boot Shop
 Manning Brothers, Proprietors
 The New King Company
 A. R. Linderf, President
 J. C. Krieg, Vice President
 L. S. M. Krieg, Secretary
 R. S. Wyeth, Treasurer
 C. F. Hermann, Director
 Lineham Brothers
 James Lineham
 Dennis A. Lineham
 Jones & Wesson
 A. S. Stephan

Furniture Dealers -

Besanceney Brothers
 Gerard Besanceney
 Leo A. Besanceney
 Justin Gleichauf
 Al. J. Gleichauf, Manager
 The Sperry-Harris Company
 Walter S. Sperry, President
 Herbert H. Harris, Secretary
 The Stewart Brothers & Alward Company
 S. E. Alban, Manager

Hardware and Paints -

The Crane-Krieg Hardware Company
 L. M. Krieg, Secretary and Treasurer
 Elliott Hardware Company
 Frank W. Elliott
 Jesse S. Elliott
 Wm. E. Miller Hardware Company
 W. E. Miller, President & Treasurer
 Marietta Paint and Color Company
 Franklin S. Horner, Manager

Jewelers -

H. C. Bestwick & Company
 Henry C. Bestwick
 Walter Davis
 Frederick P. Fuchs
 Haynes Brothers
 James T. Haynes
 W. P. Haynes

Stationery Stores -

T. M. Edmiston
Leist & Kingery
H. H. Leist
D. H. Kingery
A. L. Nerton Company
A. Locklin Nerton

Five and Ten Cent Stores -

S. S. Kresge Company
J. R. Leip, Manager
F. W. Woolworth
A. C. Willert, Manager.

CHAPTER X

WHOLESALE HOUSES

Dixie Coal CompanyOwners -

W. F. Upson
G. D. Upson

Five common laborers are employed by this company. The common labor, drivers and coal handlers in general, receive fifty cents for each ton of coal delivered, and forty cents for each load under a ton delivered. They average from three to five dollars per day.

This company owns a mine at Dixie, Ohio, which is their sole source of supply. The total output of this mine, with the exception of amounts used at the mine, is sold in Newark.

The Dixie Coal Company is the largest dealer in coal in Newark.

Fleek and Neal, Wholesale GrocersOwners -

Henry S. Fleek
Wm. W. Neal

This concern does a very good business both locally and with nearby cities. There is much business done with both the Baltimore and Ohio and the Pennsylvania Railroads, both companies receiving about fifty per cent of the total shipments made and received by this company. Much less carload business is done in connection with the company's dealings in nearby towns. These shipments will average four hundred pounds per day.

The inbound materials consist of sugar from the Arbuckle Company in New York, consignments averaging two cars per week.

Flour is brought from Minnesota, the consignments consisting of about fifteen cars per year; beans are brought from various places, and average a carload per month; fruit from California, about one car per month; salmon from Alaska, is brought in less carload shipments; rice is brought from New Orleans, La., in quantity ranging from one to two carloads per year; canned goods from Maryland, about three carloads per year; tomatoes from Maryland, average five carloads per year. About two carloads per year are brought in the state.

Glass fruit jars (Mason jars) are brought from the Hazell Atlas Glass Company, in Washington, Pa. The quantity varies from ten to fifteen cars per year. Some glassware is purchased in Huntington, W. Va.

Fleck and Neal...#2.

About fifty per cent of the business done by this company is local trade. The remainder is done in a radius of seventy-five miles. Very little business is done out of Ohio. Five traveling salesmen employed to solicit Ohio trade.

About twenty persons are employed by the company, fifty per cent of which number are classed as common labor, and average about \$2 per day. The remainder are employed as salesmen or in clerical capacities.

Tenney and Morgan + *Roberts*

(Wholesale and Retail Grain)

Officers -

Leroy F. Tenney) Partnership
Wm. M. Morgan)

The freight handled by this company consists of various feeds and grains, nearly all of these grains are brought from the territory west of Pittsburgh. About thirty-five carloads of feed come annually from St. Louis. Between twenty and twenty-five carloads of fertilizer per year from Cleveland, and between five and six carloads of wire fencing from Pittsburgh per year. The annual tonnage averages seventy-five cars inbound.

Outbound materials consist for the most part of grain, which is shipped to local markets, averaging one hundred carloads per year. About twenty carloads of grain are exported into Europe, yearly.

This company does the largest grain business in Newark.

CHAPTER XI

MANUFACTURERS

Advance Glass CompanyOfficers -

G. A. Brakeman, President
Fred. Woltzen, Secretary and Treasurer.

Capital - \$30,000

Material Produced -

The only production is rough rolled glass which is known as Cathedral glass. The total value of the annual output averages \$125,000.

Tonnage and Raw Material Used -

Inbound material approximately 3,500 tons per year; principally, sand, soda ash, and lime spars and lumber are also used in small quantities. This material is brought from all over the country. It is bought wherever it can be procured at the lowest price.

Outbound shipments are made all over the country. There is no one special market for this class of goods.

The company owns a siding used jointly by both railroads with a capacity of fifteen cars.

Labor Conditions -

Thirty men are employed by this company. The labor is entirely common. The wages are in most cases \$2.25 per day. Some old employees make \$3 per day.

There is no union and labor turnover is unknown. Nearly all the men own or are buying their homes, all are steady workers. No women are employed. All males engaged are over eighteen years old.

Advance Glass Company...#2.

The general opinion in regard to labor available, both male and female, in Newark, is that there is quite enough for present demands, but no surplus.

The housing conditions of the laboring classes connected with this company are very good. As is found in every instance throughout Newark, all homes that are not owned, rent for a rate between ten to fifteen dollars per month. These houses all have about six rooms, and are equipped with sanitary plumbing.

Water -

Deep well water is used exclusively. It is pumped by a gas engine (natural gas is used) from a well on the property. It is untreated. There is some trouble caused on account of the lime solutions in this water.

Fuel -

Natural gas is the only fuel used by this company. It is supplied at a rate of fifteen cents per thousand cubic feet. This rate is the result of a private agreement, made between the Advance Glass Company and the Gas Company. Gas is very low at this time, and preparation is being made to install facilities for manufacturing gas from coal.

Baltimore and Ohio Railroad

Shop Forces

The Newark shops of the Baltimore and Ohio Railroad employ about eight hundred men in the various departments.

The wages for the various classes are as follows:

<u>Occupation</u>	<u>Number of Men</u>	<u>Rate</u>	<u>Overtime after Hours given below</u>
Air Brake Repairmen	1	21	9
	1	19	9
Ash Pit Laborers	2	13	None
Blacksmiths	1	39-1/2	9
	1	38-1/2	9
	1	37-1/2	9
	13	364	9
	2	343	9
	1	33-1/2	9
	1	35-1/2	9
Blacksmith Helpers	2	23	9
	3	221	9
	1	23	9
	1	21	9
	2	20	9
	11	19	9
Blacksmith Shop Hand	1	25	9
Blacksmith Apprentice	2	12-1/2	9
Boiler Inspectors	3	107.00 ec.	
Boiler Makers	2	39-1/2	9 In Shops
	2	38-1/2	10 In Round House
	21	36-1/2	
	9	35-1/2	
	2	34-1/2	
	1	33-1/2	
	6	31-1/2	
Boiler Maker Helpers	2	35	9
	3	24	"
	3	23-1/2	"
	1	23	"
	1	221	"
	10	22	"
	1	21	"
	2	20	"
	16	19	"
Boiler Maker Shop Hands	1	30	"
	1	29-1/2	"
	1	29	"
	1	28-1/2	"
	1	27-1/2	"
	1	269	"
	3	26-1/2	"
	2	25	"
	2	23	"

<u>Occupation</u>	<u>Number Of Men</u>	<u>Rate</u>	<u>Overtime After Hours Given Below</u>
Boiler Maker Apprentice	1	12-1/2	9
Boiler Washers	6	21	None
	3	20	"
Box Packers	3	21	9
Car Builders, Wood	9	23	10
	5	22	10
Car Inspector	1	61.00 mo.	
	6	24	
	2	23	
	13	22	
	2	21	
	2	20	
Car Oiler	1	20	None
	1	19	"
Car Preparer	2	21	"
	2	20	"
	6	19	"
	5	18	"
Car Repairman	1	25	10
	2	24	"
	8	23	"
	7	22	"
	13	21	"
	4	20	"
	42	20	"
Carpenters	3	28	"
	2	27	"
	1	25-1/2	"
	1	25	"
	1	24	"
Carpenter Helpers	2	19	"
Chief P. S. Inspector	1	127.00 mo.	
Coppersmith	1	35-1/2	9
Core Maker	1	27-1/2	10
	3	24	10
Cupola Tender	1	28-1/2	10
Cupola Tender Helper	1	27-1/2	10
Dope Reclaimer	1	20	10
Electrician	1	111.00 mo.	
	1	85.00 mo.	
Fire Knocker	1	22 hr	None
	3	20	"
	4	19	"
	5	18	"
Flash Maker	1	23	10
Flue Cleaner	1	21	None
Flue Welder	1	27-1/2	9
	1	26-1/2	"
Flue Welder Helper	1	23	"
	1	22	"
	1	21	"
Foreman - Pattern	1	102.00 mo.	
Carpenter	1	97.00 "	
Blacksmith	1	127.00 "	

<u>Occupation</u>	<u>Number Of Men</u>	<u>Rate</u>	<u>Overtime After Hours Given Below</u>
Foreman - Boiler	1	\$132.00 mo.	
Yard	1	.20 hr.	10
Machine	1	127.00 mo.	
Paint	1	93.00 mo.	
Iron Foundry	1	112.00 mo.	
Foremen- Engine House Day	1	127.00 mo.	
Engine House Night	1	117.00 mo.	
Car	1	97.50 mo.	
Car	1	36 hr.	10
Day Foreman- Cambridge	1	83.00 mo.	
Night " "	1	78.00 "	
Day Foreman - Mansfield	1	83.00 "	
Engine Foreman - Sandusky	1	102.00 "	
General Foreman - Columbus	1	112.00 "	
Foreman - Zanesville	1	112.00 "	
Night Foreman	1	290hr.	
Car - Columbus	1	88.00 mo.	
Asst. Foremen			
Boiler	1	112.00 "	
Machine	1	112.00 "	
Engine House, Day	1	112.00 "	
" " Night	1	112.00 "	
Car Shop	1	88.00 "	
Foreman's Clerks	1	60.00 "	
	1	57.00 "	
	4	55.00 "	
Front End Inspector	1	.23 hr.	None
	1	221 "	"
Fuel Station Laborer	4	20 "	"
	5	18 "	"
Furnace Man	1	232 "	9
Gang Foreman	6	112.00 mo.	
	1	83.00 "	
	1	62.00 "	
	1	30 hr.	10
	2	23 "	10
	1	22 "	None
Hammer Operator	1	21 "	9
Hammer Man	1	39-1/2	9
Hostler	10	24 hr.	None
Joint Car Inspectors	1	35.40 mo.	
	1	31.50 "	
Laborers	2	60.00 "	
	61	.18 hr.	10 In shops
	1	.16 "	None in Round House
Loco. Cleaner	1	.20 "	None
	1	.18 "	"
Loco. Inspector	1	.364 "	10
	1	31-1/2	"
	1	28-1/2	"
	3	27-1/2	"
	1	26-1/2	"

<u>Occupation</u>	<u>Number Of Men</u>	<u>Rate</u>	<u>Overtime After Hours Given Below</u>
Locc. Preparer	1	21 hr.	None
Locc. Watchman	1	\$3.00 mo.	
	3	48.00 "	
	1	19 hr.	"
	2	18 "	"
Machinists	2	32-1/2	-9-
	13	37-1/2	"
	4	37	"
	57	36-1/2	"
	40	35-1/2	"
	2	34-1/2	"
	1	34	"
	2	32	"
Machinists Helper	1	25	"
	1	24	"
	3	23-1/2	"
	2	23	"
	3	23	"
	1	21.6	"
	13	21	"
	2	20	"
	56	19	"
Machinist Shop Hands	2	31	"
	6	30	"
	7	27-1/2	"
	1	25	"
Machinist Apprentices	1	23	"
	1	20	"
	2	19-1/2	"
	4	16-1/2	"
	1	15	"
	6	14-1/2	"
	8	13-1/2	"
Machine Operator	1	34.8	"
	1	27-1/2	"
	4	25	"
	1	24	"
	1	23.3	"
	1	23	"
	1	22-1/2	"
	1	22.1	"
	1	21	"
	2	20	"
Material Man	1	18	- 10 -
Mill Machine Hand	3	23	"
	1	22	"
Moulder	12	35-1/2	"
	3	34-1/2	"
Moulder Helper	1	24	"
	16	22	"
Moulder Apprentices	1	12-1/2	"
Paint Cleaner	5	20	"
Painter	1	27	"
	1	26-1/2	"
	1	25-1/2	"
	1	22	"

<u>Occupation</u>	<u>Number Of Men</u>	<u>Rate</u>	<u>Overtime After Hours given Below</u>
Pattern Maker	1	37-1/2	- 10 -
	1	354	"
	1	35-1/2	"
Pattern Maker Apprentice	1	12-1/2	"
Piece Work Inspectors	3	\$102.00 no.	
	3	97.50 "	
	1	93.00 "	
	1	78.00 "	
Piece Work Clerk	3	67.00 "	
Pipe Fitter	2	34-1/2	10 In Round House
	1	311	
	8	30-1/2	9 In Shops.
	1	30	
Pipe Fitter Shop Hand	1	25-1/2	
	2	25-1/2	
	1	25	
	1	21	
Pipe Fitter Helper	8	19	
Pipe Fitter Apprentices	3	12-1/2	9
Rivet Heater	1	12-1/2	9
Shop Yard Brakeman	1	24	10
Skilled Material Man	1	\$90.00 no.	
	1	65.00 "	
Spring Maker	1	343	9
	1	31-1/2	"
Stationary Engineers	2	\$85.00 no.	
	1	83.00 "	
	1	20	
Stationary Fireman	3	90.00 "	
	1	21	
Steam Crane Engineer	1	88.00 "	
Speed Recorder Inspector	1	112.00 "	
Supply Man	3	20	10
	3	19	"
Tender Inspector	1	24	"
	1	221	"
Tender Repairman	1	27-1/2	"
	3	274	"
	3	26-1/2	"
	2	258	"
	3	25-1/2	"
	7	243	"
	3	21	"
Tender Repairman Helpers	4	19	"
Tinner	1	327	- 9 -
	1	311	"
	2	30-1/2	"
Tinner Shop Hand	1	279	"
Tinner Helper	1	19	"
Tool Maker			

<u>Occupation</u>	<u>Number Of Men</u>	<u>Rate</u>	<u>Overtime After Hours Given Below</u>
Tool Maker	1	.364 hr.	9
Tool Room Man	1	231 "	None
	3	22 "	"
	1	18 "	"
Trimmer	1	\$60.00 mo.	
Turn Table Man	1	.18 hr.	10
Wreck Master	1	97.50 mo.	
Welder Operator	3	354 hr.	"
	3	31-1/2	"
	4	26-1/2	"
	1	25 hr.	"
Shop Watchman	1	22 "	
Janitor	1	19 "	
Work Checker	3	21 "	
Car Repairman Shop Hand	1	306 "	"
	1	23 "	"
Locc. Coal Passer	7	18 "	

The following are employed at the freight
houses of the Baltimore and Ohio, at Newark.

Freight House Force

House Foreman	1	\$70.00 mo.	
Tallyman	1	55.00 "	
Delivery Clerk	1	53.00 "	
Transfer Clerk	1	52.00 "	
Trackmen	8	.18 hr.	10

Track Forces

The following men are employed on the Balti-
more and Ohio in Newark and vicinity, in addition to the shop forces
listed above:

Trackmen	48	.17 hr.	10
	23	18 "	"
	20	20 "	"
	1	22 "	"
Carpenters -			
Foreman	1	\$89.00 mo.	
Foreman	6	84.00 "	
Leading Carpenters	3	306 hr.	- 9 -
Carpenters	22	374 "	"
Carpenters	19	353 "	"
Carpenters	3	216 "	"
Painters -			
Foreman	1	296 "	"
Painter	1	264 "	"

<u>Occupation</u>	<u>Number Of Men</u>	<u>Rate</u>	<u>Hours Per Day</u>
<u>Track Forces</u>			
<u>Steam Shovel Gang</u>			
Engineer	1	\$92.00 mo.	
Craneman	1	76.00 "	
Lidgewood Man	1	219 hr.	
Laborer	1	18 "	
<u>Pile Driver Gang</u>			
Foreman	1	\$84.00 mo.	
Engineer	1	306 hr.	10
Fireman	1	253 "	10
Carpenters	2	274 "	10
<u>Water Station Repair</u>			
Foreman	1	286 "	"
Repairman	2	264 "	"
Signal Repairmen	3	\$73.00 mo.	"
Lampman	1	18 hr.	-9-
<u>Masons</u>			
Foremen	2	381 "	10
Masons	3	264 "	"
	16	243 "	"
Road Watchmen	12	\$39.00 mo.	

Blair Motor Truck CompanyOfficers -

R.W.Smith, President
R.C.Hanford, Secretary
C.A.Smith, Treasurer and Sales Manager
J.P.McCune, General Manager

Capital - \$275,000

Material Produced -

Motor trucks are built by this company, the annual production reaches an average value of \$250,000.

Tonnage -

The tonnage credited to the Blair Motor Truck Company averages ten cars per month for freight inbound, twelve cars per month is given for outbound matter in the form of finished products.

Raw Materials -

The materials used in the manufacture of the trucks produced consists chiefly of steel and steel findings. Some lumber is used, but not in great quantities. The steel used is brought from the Pittsburgh, Chicago and St. Louis districts.

All coal consumed is shipped from Shawnee, Ohio, at a freight rate of 55 cents per ton. The company has a contract for coal and under present conditions are paying only \$1.10 per ton at the mines.

Coke is also used to some extent. This is brought from the Connellville, Pa. district.

The Blair Motor Truck Co...\$2.

Labor Conditions -

The labor conditions at present are very good. This company has no trouble, due to the fact that there is no labor turnover. About forty per cent of the workmen own their homes, and about twenty per cent are buying property. This is a condition which prevails throughout this district and is undoubtedly the cause of the steady character of labor and the absence of labor turnover.

The Blair Motor Truck Company employs between eighty and one hundred men.

Company employs sixty skilled men at all times at a wage of forty cents per hour.

Common labor varies from twenty to forty men. The wage paid to this class averages twenty cents per hour.

All labor is American. Four girls are employed in the office. All male employees are over eighteen years old.

Water Used -

City water is used for service and is not necessary to be treated.

Fuel -

Coal is the principal fuel consumed. This is brought from Shawnee, Pa.

Siding -

The company has a joint siding. Baltimore & Ohio and Pennsylvania Railroads, with capacity of twenty-five cars.

The Buckeye Rolling MillsOfficers -

S. M. Scott, President
I. T. Surratt, Secretary and Treasurer.
P. N. Jones, Manager

Capital - \$1,000,000

Materials Produced -

Light steel rails are produced by the company. The heaviest rail built is the forty pound rail. The value of the annual production is five hundred thousand dollars and over. The company does no advertising, having regular customers (dealers) in Ohio, West Virginia, and Pennsylvania.

Tonnage -

The tonnage of this company is divided between the Baltimore and Ohio and the Pennsylvania Railroads. The inbound freight consisting of rails and coal averages twenty five thousand tons per year or about ten carloads per month. The rails are brought from steel markets in Pittsburgh, Chicago, and St. Louis. Coal comes from Zanesville, Ohio, and Cambridge, Ohio.

Labor -

Eighty men are employed by the Buckeye Rolling Mills. It is common labor. The wage ranges from thirty-five to forty cents per hour. The general labor conditions are good. There is but slight labor turnover, no organizations are in force, and strikes are unheard of and not thought of as likely if conditions remain as during the past few years.

The Buckeye Rolling Mills...#2.

About forty per cent of the working men own their homes. Rents run from eight to sixteen dollars per month. All houses are in good condition. Frame construction, averaging six rooms with sanitary plumbing, natural gas lighting and heating facilities and some ground attached. There are not many eight dollar houses. This class lacks plumbing and gas in most instances. The twelve dollar rent seems popular among the common laborers; the sixteen dollar houses are used by the skilled class.

Water and Fuel -

Well water is used for manufacturing and service purposes. The water is pumped by means of a gas engine.

Although untreated this water is being used in the boilers, and causes much trouble. Scales form on account of the limestone deposits. The superintendent has had no success in treating this water, and has decided to use it in spite of its bad qualities.

Fuel -

Both coal and natural gas are used as fuel. As the gas supply of this section is very low preparations are being made for the manufacture of necessary gas by means of coal.

The Burke Golf CompanyOfficers -

Wm. Burke, President
W. C. Miller, Vice President
F. M. Block, Secretary and Treasurer.

Capital - \$300,000

Materials Produced -

Golf sticks, shafts and supplies.

The total value of production annually about \$85,000.

At all times there are materials in process of manufacture valued at \$50,000. The markets for these goods are found throughout the United States.

Tonnage -

Nearly all outbound freight is sent express. The railroads portion is in less carload shipments.

Inbound shipments consisting of raw materials, are as follows:

Persimmon Lumber from Memphis, Tenn., four carloads per year. Drop forgeings from Springfield, Mass., one carload per year.

Delivered in less than carload shipments. - Hickory from Kentucky, ten or twelve carloads per year.

Labor -

The number of persons employed by this company varies from sixty-five (as at present time) to ninety-five during the summer season when the demand is greatest for this kind of goods. Classified as to number and wage they are as follows:

The Burke Golf Co...#2.

87% skilled	at \$4.00 to \$6.00 per day (piece work)
10% Semi-skilled	at 2.00 to 3.00 per day
30% Common	at 1.50 to 2.00 per day.

The payroll runs between \$50,000 and \$60,000 per year. There are two women, and four boys employed. American labor predominates as in most cases throughout the city. Employees all reside in Newark.

Turnover -

There is practically no turnover. Only one man left last year. None left the year before.

Labor Conditions -

Conditions are very good. The satisfaction concerning present conditions is divided equally among employer and employed. The men do not want them as general satisfaction exists as to wage, hours, etc.

There has never been a strike in this factory. The greater number of men employed are skilled in their work, and make good wages. The labor supply is sufficient because of few changes.

Water -

City water is used exclusively for service. Only service use is required. This water is never treated when used alone.

The Burke Golf Co...\$3.

Fuel -

Coal is the fuel used, It is bought from local dealers at the price of the day. Six months ago the coal used was bought at \$1.35 per ton. At the present high rates, the price is \$3.50 per ton.

siding -

The public team track, with a capacity of from fifteen to twenty cars is used by the Burke Golf Company.

The Consumers BreweryOfficers -

Chas. Andrer, President
H. S. Smith, Vice President
J. A. Kramer, Secretary and Treasurer

Capital - \$150,000.

The products of this company are beer and ice. The value of the products is estimated at \$195,000 annually. For beer, \$155,000; for ice, \$40,000. There is a by-product, mash, which is used to feed cattle.

The inbound freight consists of two car-loads of coal per week. Malt, hops, etc., come from Milwaukee, and Indianapolis, about four cars per month.

The outbound shipments are greater. Ice during the summer month averages twelve cars per week to Utica, Ohio. During the winter months, about four cars of beer, and two cars of ice are shipped to Utica, Ohio.

There are thirty-five men employed, six of whom are classed as common labor. The common labor is paid \$2.25 per day. The skilled men make \$20 per week. Company works on a forty-eight hour week basis. There is very little turnover, the labor being American entirely. All reside in Newark. The labor employed is very steady and reliable. Many own their homes. The rents paid by the laborers employed in this plant run from eight to sixteen dollars per month. The houses are in good condition, and from twelve dollars per month up are various modern conveniences.

Consumers Brewery...#2.

Water -

Well water is used for the manufacture of the beer. It is not treated. The water is pumped into boilers for heating by means of a steam engine. None of this water causes any trouble to the boilers except for scales due to the lime deposits.

Fuel -

Natural gas and coal are used as fuel. Gas is bought at eighteen cents per thousand cubic feet. This is a special rate, as the gas is low in pressure at this time, and the standard rate is twenty-five cents per thousand cubic feet. Coal is brought from the Hocking Valley. At the mine the cost is \$2.75 per ton. The hauling and switching charges amount to sixty-five cents per ton. The company operates a private siding with a five car capacity.

Freedom Oil Company

The Freedom Oil Company, located on the tracks of the Baltimore and Ohio Railroad and the Pennsylvania, is a distributing house for Freedom Products which are manufactured at Freedom, Penna.

E. P. Roberts is the local agent.

Eleven men are employed at wages ranging from two to three dollars per day, for common labor.

The freight handled varies by seasons. In the winter, thirteen cars per month are averaged. Fall, ten cars, and in summer, nine cars. This is all inbound. The cargo consists of refined oils, (lubricants) gasoline, soaps, etc. The Pennsylvania Railroad handles nearly all of this traffic. This is due to the location of the Freedom Oil Company's plant.

There is very little outbound shipping from this branch. The products are distributed locally, the neighborhood being supplied from the Newark Branch.

A. H. Heisey & Company

Officers -

- A. H. Heisey
- E. W. Heisey
- C. T. Heisey

Materials Produced -

Glassware is the only commodity produced by the Heisey Company. This product is made in all forms for table use. The value of the annual production exceeds \$1,000,000. The principal market for Heisey products is the United States. Much business, however, is carried on in all foreign countries especially England and Australia:.

Tonnage and Raw Materials -

The sand used by this company is brought from West Virginia, Illinois and Pennsylvania. Soda ash and lime are Ohio products. The nitrate used is brought from South America by way of various eastern sea ports.

Labor and Labor Conditions -

The company employs seven hundred persons, about two per cent of this number being women. The greatest part of the labor is skilled in glass working, the common labor being only about one half of one per cent. The work done by the female labor is along the lines of packing, wiping and inspecting outbound finished products. The average wage of the female employe is ten dollars per week. There are some few averaging as high as fifteen dollars per week. The skilled male labor is paid from twenty to forty-five cents per hour, and a bonus on all work done over a given amount. The men average high wages.

A. H. Heisey & Co....#2.

Conditions as far as labor is concerned is abnormal. Wages are necessarily high because of the high cost of living. The workmen are well looked after, well housed, and the turnover low. Many of the men help own their homes. The labor is all American, steady and reliable.

The men are all members of the Glassworkers' Union. No trouble, however, has ever been given by the Union, as strikes are unheard of, and are not anticipated if conditions remain as during the past few years.

Workmen's homes are very good, of frame construction and plumbing. Rents from eight to sixteen ^{dollars}/per month.

Water and Fuel -

The company uses city water, in conjunction with springs and five cisterns. There is much limestone solution in the water, but up to the present time has been used in its natural state.

Natural gas is the fuel used. The company owns a gas company known as the Consumers Gas Company. They supply themselves with all they require.

The Holophane Glass CompanyOfficers -

O. A. Myatt, President
H. McGrath, Treasurer

The Holophane Glass Company deals in prismatic glass for lighting purposes. There is material to the value of \$2,000 always in process of manufacture. The A. H. Heisey Company manufactures for the Holophane Glass Company, the glass as supplied by the Heisey Company and is finished into fancy and prismatic lighting glass by the Holophane Company.

The Heisey Company handles all inbound materials for the Holophane Company. The outbound materials average ten carloads per month, the principal markets being Texas, Illinois, Michigan, New York State and Wisconsin. The largest buyer is the General Electric Company. The inbound materials handled by the Holophane Glass Company include acid, and packing materials, amounting to about eighty tons per year. All lumber is brought from West Virginia. The Pennsylvania is used exclusively, the company being located on a Pennsylvania Railroad siding with a six car capacity.

Employees -

Forty-seven persons are employed by the company. Ten are office men on salaries.

Common labor twenty-five per cent at \$2 per day.
Skilled labor fifty per cent at \$2.75 to \$5 per day.

Holophane Glass Co...#3.

The labor turnover amounts to about twenty per cent. There is no trouble caused by this turnover as the company never has trouble getting labor. City water is used for steam heating, grinding glass, washing glass, etc. It is not treated.

Gas is the only fuel used. This is supplied by the Consumers Gas Company at an agreed rate.

Hulshizer Milling & Baking Co

Incorporated under the laws of Delaware

Officers -

- E. S. Hulshizer, President
- U. M. Hulshizer, Vice President
- F. A. Hulshizer, Secretary and Treasurer.

Capital -

- Common \$100,000
- Preferred \$75,000

Materials Produced -

Flour, meal, feed, etc. Grain and feed are handled through dealers in addition to the company's production. The feed produced is a by-product obtained through milling.

The approximate value of all products per year is \$200,000.

Tonnage -

Both the Baltimore and Ohio and the Pennsylvania Railroads are used.

Inbound freight averages one car per week.

Cargo - Wheat, Corn, Oats and Feed.

Outbound freight averages one car per week.

Cargo - Products of mill (flour and feed).

Employees -

Company employs from eight to twelve people.

Wages -

- Common labor \$2.50 per day
- Skilled labor (Millers and Engineers) 3.00

There are five common laborers, one miller, one engineer, and a traveling salesman.

Labor Turnover

The labor turnover amounts to almost nothing. For the last eight years there has been an average of two men per year leaving Hulshizers employ.

Hulshizer Milling & Baking Co..\$2.

Labor Conditions -

The labor conditions for the past four months have been very good. Before that time extra help was hard to find, but present conditions (which are expected to prevail for sometime) are very satisfactory. Mr. Hulshizer thinks from five hundred to six hundred women are available at the present time for employment. This statement is not borne out by other local manufacturers.

Under normal conditions, when the male laboring forces are not receiving such high wages as the present conditions demand, there are more women available. Present conditions show a steady employment of all available men, at high wages. Under these conditions the women have no necessity for seeking employment.

Water -

The water used by the Hulshizer Milling and Baking Company is pumped by a gas engine from a private well owned by the company. The water is used to cool the gas engine operating the milling machinery, and for service uses.

Fuel -

Natural gas is the fuel used at a rate of twenty-five cents per thousand cubic feet. For lighting the company generates their own electric current by means of a belt driven generator.

Siding -

A private siding with capacity for three cars is operated on the Baltimore and Ohio Railroad. The Baltimore and Ohio handles all carload consignments, in and outbound.

Jewett Car CompanyOfficers -

W. S. Wright, President and General Manager
 P. C. Raymond, Secretary
 W. C. Gardner, Treasurer
 Wm. Schroder, Superintendent

Capital - \$500,000 (authorized)

Materials Produced -

The Jewett Car Company manufactures passenger cars of all kinds. The greatest part of their output is composed of high grade cars such as are used on the Metropolitan Elevated Railway, and for interurban use. City street cars are also constructed.

This company manufactures the Jewett Motor Truck, a new auto truck which has been manufactured only during the past year. It is a high grade truck. The company does not advertise this truck as they have not pushed its manufacture this year. Plans are being made for the future in regard to its sales and entrance in the open markets. The value of the annual production averages \$750,000 to \$1,000,000.

Tonnage and Raw Materials -

The inbound tonnage, consisting of raw materials comes principally from Chicago, Pittsburgh and St. Louis, the bulk coming from Chicago. Steel is the product brought from these points. The tonnage on steel averages from two to three carloads per week.

Lumber is also brought into the plant.

Jewett Car Company...#2.

The amount is a little over two cars per month. All hardwoods are used, the production being found in Ohio and Indiana, coming largely from Indianapolis.

Both the Baltimore and Ohio Railroad and the Pennsylvania, handle this freight. The outbound finished products are hauled away on flat cars in some cases. About two hundred and fifty cars per year are shipped. Some cars are delivered on their own wheels by way of the railroad. The electric cars are frequently run out under power and delivered. The motor trucks are not well known at present. The only distribution has been local.

Labor -

The Jewett Car Company employs three hundred men and about eighteen boys. Their wages and classification are as follows:

Common labor -	\$1.75 per day
Semi-Skilled -	1.75 to \$2 per day
Skilled -	90% Piece Work - 35¢ to 40¢ per hour.

The labor is all American and nearly all skilled. Their pay is good and the men and their families live comfortably. There are no organizations and no labor trouble. The present labor conditions are classed as very good. The labor at the Jewett Car Company's works is steady and reliable. Many of the men own their homes. Some are buying homes. The average rent paid by the laborers of this company ranges between ten to sixteen dollars per month.

Jewett Car Co...#3.

This rental procures a six room house, equipped with sanitary plumbing, natural gas lighting and heating, of frame construction and in good condition. All of these houses have small ground plots attached. Many have space for small truck gardens.

Water -

City water is used for manufacturing purposes, to operate steam run machinery. The water is treated with water softening compounds, as its hard quality causes boiler troubles in its natural state. The water rate is nine cents per one hundred cubic feet, but by an agreement with the city there is a substantial discount after an agreed amount is drawn.

Fuel -

Coal is the fuel used by the Jewett Car Company. This coal is brought from Akron, Ohio, and Cambridge, Ohio, where it is purchased at the mines at a contract rate of \$1.10 per ton. The freight charge is fifty-five cents per ton. The tonnage is about twenty cars per month.

J. D. McNamar

Manufacturer of Portable Engines, etc.

The company produces portable engines, traction engines and circular saw mills. The business has fallen off considerably in Newark during the past few years. There are two companies in this line located at Newark, the J. D. McNamar and the Scheidler Machine Work Company.

Both the Baltimore and Ohio and the Pennsylvania Railroads, and both express companies, the Adams and Wells Fargo, are used. There is much repairing done to boilers, engines, etc. Nearly all the freight is less carload. The total inbound freight averages one car per month. The outbound will come to two cars per month.

About fifteen men are employed at present. Common labor receives \$2 per day. Skilled men \$3.75 per day.

Midland Shoe Company

Officers -

- G. E. Smith, President
- A. O. Halliday, Vice President
- E. B. Yoho, Secretary
- E. A. Smith, Treasurer
- Gus Weigand, Superintendent Newark Branch.

Capital - \$150,000 (\$100,000 paid in)

Materials Produced -

Ladies shoes of the class used by laborers families. This business is a large one. The value of the products produced annually exceeds \$500,000 under conditions. During the past year there has been great demand for this grade of material, due in part to the high cost of all commodities, and the output is estimated to exceed \$750,000.

Tonnage and Raw Materials -

The raw materials used in the manufacture of these shoes might be classed as "shoe findings". This term includes Uppers, sole leather, skins, heels and miscellaneous small products. All over the country, wherever it is possible to procure these materials, findings are bought. Most of the leather comes from Lynn, Mass.; heels, from Chicago; uppers come from Philadelphia. The inbound freight over the railroads, shipped less than carload, averages between ten and twelve carloads per month. The principal market for the goods produced is New Orleans, La. Shipments are made, however, to Buffalo, and some points south. The bulk averages about fourteen carloads per month.

The Midland Shoe Co...\$2.

Labor Conditions -

The total number of persons employed by this company is one hundred and sixty-five. Of this number eighty-five are male, all skilled working men and earn from \$3 to \$3.50 per day, employed in piece work. Eighty women are employed at ten to twelve cents per hour. Boys employed in the shops earn from five to eight dollars per week.

On the first of January, 1917, the company will pay a bonus of ten per cent to all their employees.

There are no labor organizations, and no labor turnover. The workmen and women are all American. The plant runs fifty-one weeks per year, and employs the same help all the year around. Housing conditions are good. Many own or are buying their homes. Rents average from ten to sixteen dollars per month, these houses have sanitary plumbing.

Water and Fuel -

City water is used for service only. The fuels used are coal and gas. The gas supply has been nearly cut off at the present time, and the plant is preparing to operate their gas engines, and lights by electricity.

C. W. Miller CompanyMeat PackersOwners -

J. W. Miller
H. G. Miller

This company does quite an amount of business through the State of Ohio, the value of their annual output being \$400,000. The company has just erected a new building on the outskirts of town along the Shesnee Division of the Baltimore and Ohio Railroad. This is to be used as a slaughter house and distributing point.

Tonnage -

The inbound freight averages five cars per week. Hogs are the principal consignments, being brought from various points in Ohio. Outbound freight averages five thousand pounds per week, shipments being made all through the State of Ohio. The Baltimore and Ohio Railroad handles all of this freight either direct to points consigned, or by transfers to other lines.

Labor -

Twenty-three men are employed. Six common laborers at \$13 per week, and the remaining men employed, holding positions as butchers and sausage makers averaging \$18 to \$20 per week.

The butchers are members of local trade unions. The labor turnover is slight.

The Newark Ice and Cold Storage Company

Officers -

F. D. Hall, President
C. L. Flory, Vice President
P. F. Rhoades, Secretary and Manager
F. S. Wright, Treasurer

Capital - \$50,000

The Newark Ice and Cold Storage Company
was founded in 1893.

Ice is the only product. The annual production is valued at \$35,000.

The inbound freight consists of coal and cold storage products. The coal averages six thousand tons per year. It is brought from West Virginia. It has been bought as low as ninety cents per ton. From West Virginia, apples are brought for storage, and Ohio supplies eggs for this purpose. There are quite a few local consignments handled.

Labor -

There are eight men employed, four common laborers at \$2.50 per day, and four skilled men, such as engineers and special pickers, receiving eighty dollars per month.

There is no labor turnover and labor conditions are improving steadily.

There is no labor union among the common labor. The skilled men come under their trade unions.

Newark Ice & Cold Storage Co...#2.

Water -

Both well and city water is used. The well water is pumped by means of air lifts operated by a steam engine. The city and well water are mixed, and treated with a graphite compound. There is much lime in the water, and this is especially true of the well water.

Siding -

A private siding of the Baltimore and Ohio is operated by the company, with a capacity of nine cars.

Newark Ohio Furniture CompanyOfficers -

Wm. Wehrle, President
F. A. Gleichauf, Secretary

Capital - \$75,000

Materials Produced -

The Newark Ohio Furniture Company manufactures dining room furniture, which is produced from the following classes of wood - Walnut, oak, maple, red gum and grasswood. The value of the annual production is approximately \$100,000.

Tonnage -

All the lumber used by this company is brought from Cincinnati, Ohio, Portsmouth, Ohio, and points in Missouri, and Arkansas. Lumber averages two cars per month. Hardware, glass and coal are also used in amounts varying from three to four carloads per month for the three commodities.

Outbound finished products are sent less carload and by express. The railroad freight averages two cars per week. Express three cars per year.

Labor -

Ninety per cent of the thirty men employed are skilled. Skilled labor is paid 32-1/2¢ per hour. Common labor, twenty cents per hour. Four boys are employed at 12-1/3 to 15¢ per hour. There is no turnover in winter. In summer it is slight.

Newark Ohio Furniture Co..#2.

Water and Fuel -

City water is used for service; well water is used in boilers. The water is pumped by means of a gas engine, and is untreated. Coal is the principal fuel used. It is brought from Cambridge. The contract price is \$1.65 per ton at the mines.

Newark Stamping & Foundry CompanyOfficers -

C. F. Sites, President
 F. N. Mosher, Vice Pres. and Superintendent.
 H. J. Alexander, Secretary
 E. F. Ball, General Manager and Treasurer.

Capital - \$50,000

Material Produced -

The products of this plant may be classes as steel and gray iron products. The principal feature of this concern is the manufacture of the famous Thompson Hose Clamp which markets all over the world. There is an annual sale of scrap iron which is valued at approximately \$400.

The market for castings manufactured is principally in the State of Ohio.

Labor -

Company employs about thirty persons. They may be classified as to service and wage as follows:

Twenty skilled	\$3.50 to \$6.00 per day
Four Common	\$2. to \$2.50 " "
Four Semi-skilled	\$3.00 to \$3.50 " "
Two women (Clerks)	10.00 and \$12 " week.

As these figures show, the majority of men employed are skilled. This is due to the small percentage of the turnover. These men practically learned their trades with this company.

Labor Turnover -

The turnover as in nearly every instance in Newark is almost nothing. The average of this company is one man per year.

Newark Stamping & Foundry CoLabor Conditions -

Labor conditions are very good. There are not many workmen available in Newark at the present time, but present conditions do not demand them as every plant is well supplied, and running at full capacity. There is no trouble, however, in getting a reasonable number of men for extra help. The needs of the town as to labor are well supplied under present conditions which have prevailed for about four months and are expected to continue for sometime. The laborers are all American, and make their homes in Newark.

Water -

City water is used for service only. Treatment is not necessary with the city water except when used with well water in this vicinity. Well water contains much limestone.

Fuel -

Coal is the principal fuel used by this company. It is brought from the West Virginia fields at freight rates varying from sixty to ninety cents per ton according to distance hauled. All switching charges are included. Under normal conditions coal was purchased at the mines at \$1.50 per ton. The Newark Stamping and Foundry Company now pay \$3 and \$2.50 per ton for West Virginia Coal.

Siding -

There is a public service track operated by the Baltimore and Ohio Railroad which is used by this company.

Newark Stamping & Foundry Co...#3.

Tonnage -

Outbound - Castings seventy-five to one hundred tons per month. Hose clamps ten to fifteen tons per month. Less carload shipments both Baltimore and Ohio and Pennsylvania Railroads.

Inbound - Steel from Sharon, Pa. one car per month.
Coal from West Virginia, one car per year.
Pig Iron from Chattanooga, one car per month.
Pig Iron from Cleveland, one car per month.

Much coke is brought from the Connellsville district. Averages about ten cars per year. Nearly all the coal used is bought locally.

The Ohio Light and Power Company

This company operates over a territory taking in a radius of one hundred and fifty miles. Logan, Ohio, is the southern boundry. Tiffin, is the Western terminus of this company's wires.

Company employs 155 men, 111 of whom are skilled, and 44 common laborers. The skilled labor consists of linemen and electricians. The linemen are fully organized.

Common labor receives about twenty-five cents per hour. The skilled men, electricians and linemen make \$3.50 per day.

Labor is reported scarce at the present time. many men are leaving town to work in munition plants, scattered over the country. Newark has no available reserve supply of male or female labor.

The coal used by the company is brought from the Hocking Valley and from southern Ohio. It has been bought as low as eighty-five cents per ton. There is a hauling charge which includes all switching charges of fifty-five cents per ton. Total cost delivered \$1.40 per ton.

Pharis Tire and Rubber CompanyOfficers -

A. R. Lindorf, President
C. H. Meyer, Vice President
C. Pharis, General Manager
C. O. C. Lindwoth, Secretary
R. S. Wyeth, treasurer.

Capital - \$100,000

Materials Produced -

The products of the Pharis Tire and Rubber Company are tires (pneumatic) and rubber tubes. The value of the annual output exceeds \$500,000. Materials in process of manufacture are valued at about \$2,000 for the tubes per day. The tire value in process cannot be estimated. About two hundred tires per day are turned out.

Tonnage -

Rubber and fabric are the inbound raw materials. The average care of rubber handled per month is estimated at two cars, fabric about the same. Rubber is brought from Ceylon, India into New York, when it is loaded and sent by either the Baltimore and Ohio or Pennsylvania Railroad to Newark. All fabric used is brought from New Jersey. The railroads split about even on freight. The service rendered is only fair. Embargoes about New York have caused much trouble. The Pharis Tire and Rubber Company has no railroad preference.

Pharis Tire and Rubber Co...\$2.

Labor -

This company employs one hundred and twenty-five men. The labor is all skilled, as the greater part have been with the company for some years and have learned their trades. There are no organizations, and no labor troubles. The supply is enough when extra help is needed. The turnover in this plant amounts to nothing. All the labor is American. Many own their homes. Rents average seventeen dollars per month. These houses have sanitary plumbing, and are very comfortable. All the work done is paid by the piece. Average wages are thirty to fifty cents per hour.

Water and Fuel -

City water is used to some extent. It is not treated. Coal is the principal fuel, as gas is turned off due to low pressure. Coal is brought from Cambridge, Ohio. The contract price is \$1.15 per ton. Freight charges including switching charge, is fifty-five cents per ton.

Reed Wire Company

The Reed Wire Company is part of the estate of D. F. Reed, #25 Broadway, New York City. The place is managed by H. Henthorne, and has a capital of \$18,000.

Brass, copper and monel cloths are produced in various sizes and shapes to the value of about \$20,000 per year. Business has been especially good during the last four months.

Nearly all freight shipped in or out of this plant is handled by the express companies. Southport, Conn. is the principal market for Reed products.

Of the materials brought into the plant, monel metal is brought L. C. L. from Rome, N. Y. and Perth Amboy. A carload of coal every four months is handled by the Baltimore and Ohio Railroad.

Twenty men are employed at wages ranging from \$1.75 per day for common labor to \$13.00 per week to the skilled labor.

E. T. Rugg and CompanyOfficers -

E. T. Rugg, Owner
 T. M. Rugg, Superintendent of Mill
 J. S. Rugg, Superintendent of Factory
 C. D. Wise, Sales Manager of the Mill
 S. H. Howard, Sales Manager of the Factory.

Materials Produced -

Halters, ties, cordage, and other hard fibre products form the bulk of this company's output. The business is a good one, and is growing. Mr. Rugg has just had his place modernized to a great extent. The value of the annual production is over \$500,000. Goods are shipped all over the country.

Tonnage -

The Baltimore and Ohio Railroad gets the bulk of all freight in and outbound. Raw materials inbound consist of Sisal, which is brought from Mexico, and Manila Hemp, a product of the Philippines. The average number of cars handled inbound is approximately twenty cars per month. Outbound freight is slightly less, averaging only about eighteen cars per month.

The private siding operated by this company is located on the Baltimore and Ohio tracks. Its capacity is ten cars.

Labor -

Labor conditions at present are very good. The E. T. Rugg Company is never bothered, however, as turnover is slight, and few changes are necessary as the plant

E. T. Rugg...#2.

runs the same all the year around. The labor is all American, steady, reliable, and good home providers. Many of the men own their homes, others are buying their property by paying for same as rent. The average rent of a workingsman's house is between ten and fifteen dollars per month. This rents a six room house, equipped with sanitary plumbing, light (natural gas) and in good condition. The houses are all of the frame construction, have enough ground to permit a small lawn, and truck garden. The labor employed by this company is very settled.

There are 125 men employed and they are divided in- to three classes of labor -

Common labor which constitutes one third of the company's labor, receives a daily wage of \$2 to \$2.50.

Semi-skilled labor (assistant machinists and en- gineers) are paid \$2.50 to \$3 per day.

Skilled labor (machinists and engineers) receive \$3 to \$4 per day. About thirty women are employed at \$1.50 to \$2.50 per day. Labor organizations are unknown, as is labor dis- satisfaction.

Water Used -

The water is pumped from deep wells located on the E. T. Rugg property, by means of a steam pump. It is treated with a water softening compound.

Fuel -

For fuel both coal and natural gas is used. All coal is bought from the Dixie Coal Company, local dealers, at the contract rate \$1.75 per ton.

Scheidler Machine Works CoOfficers -

H. R. Scheidler, President
Wm. E. Miller, Vice President
D. A. Scheidler, Secretary and Treasurer.

Capital -

Manufacturers of portable engines, tractor engines, boilers and circular saw mills.

Tonnage -

All freight inbound is handled in less than carload shipments. Averages twelve cars per year.

Outbound - Products manufactured averages about two cars per month.

The service given by both roads is fair.

Labor -

Company employs thirty men, of which twenty-seven are skilled machinists averaging thirty cents per hour, and three common laborers averaging two dollars per day.

Water -

Company uses city water only and no treatment is necessary.

Fuel -

Coal and coke are the fuels used. The tonnage is small, the average being only one carload of each commodity per year. The factory is operated by two electric motors, current being furnished by the Ohio Light and Power Company at the rate of nine cents per K. W.

Scheidler Machine Works Co...#2.

General Conditions -

The above statements are founded on Mr. Scheidler's assertion as to normal conditions. At present his force is considerably smaller than above stated, his output is not up to the standard he expresses as normal.

During the next few months, however, Mr. Scheidler expects to resume operations on this footing.

The Simpson Foundry CompanyOfficers -

C. C. McGruder, President
J. S. Herzog, Vice President and Gen'l Mgr.
Warren T. Suter, Secretary

Capital - \$10,000 (has been standing twenty-five years)

The company produces jobbing castings to the value of \$60,000 per year. The principal markets for these goods are found in Cleveland, Mount Vernon, Columbus, Moundville, Wellsburg, Washington, Pennsylvania, Streeter, Illinois, and various places throughout the state which buy in small quantities. The above cities are named in order of their importance.

The raw materials brought into the plant are listed as follows - Coke, twenty tons per month; pig iron, forty tons per month; sand, ten tons per month; miscellaneous four tons per month.

Outbound finished products average about sixty tons per month.

Thirty men are employed by the company. Nine common laborers at \$2.25 per day, and twenty-one skilled laborers (moulders) at \$3.75 per day.

The labor turnover averages one man per month under the conditions now existing. Six months ago the turnover averaged about ninety per cent. Mr. Herzog suggests that the reason for the change that has come about may be because the city has ceased work on the sewers and paving for the winter, and no outside work being available, or wanted during the winter months, men are easy to get for inside work.

Simpson Foundry Co...#2.

He anticipates trouble in the spring when outdoor activities begin again.

It is an open shop foundry, but the moulders are all members of the local branch of the moulders union. No trouble has been experienced, however, during the past ten years.

Water -

Well water is used exclusively. All power needed is furnished by the Ohio Light and Power Company, at four cents per k. w. All over an agreed amount is supplied at a lower rate.

Fuel -

Coal is used for fuel. All coal is purchased locally. About thirty tons per winter is used for heating purposes.

Siding -

Baltimore and Ohio Railroad siding is connected with the American Bottle Works, located nearby. This is used as a team track by the Simpson Foundry Company.

P. Smith Lumber Company

The company is capitalized at \$50,000.

Mr. Smith estimates the value of business done annually amounts from \$75,000 to \$100,000 per year.

Inbound materials consist of lumber, cement, plaster and general building supplies. From points South, he receives his pine lumber, redwood from the Pacific Coast, and hardwoods are bought in the state. Cement, plaster, etc., are bought at various points in the state. In bulk the company handles between 175 and 300 carloads of materials per year. Less carload shipments average about one carload per month. There are less carload shipments made each day. Most of the company's sales are made locally.

Ten men are employed as common labor at wages ranging from fifty to seventy-five dollars per month. The general wage is fifty dollars per month.

Some window frames are manufactured by this company, but only as a side issue. They operate no planing mill.

Electricity is used for service, on a consumer's rate basis.

The Styron Beggs Company

Manufacturing Chemists and Makers of Patent Medicines

Officers -

F. L. Beggs, Pres., Treas., Gen'l. Mgr.
E. S. Styron, Vice President
L. P. Shinn, Secretary

Capital - \$100,000.

The value of the annual output of the company is approximately \$250,000. Ohio, West Virginia, Indiana, Michigan, Kentucky and Illinois, are the principal markets for the products put out by this company. They rank in importance in the order they are named.

About fifty-five persons are employed by the company. Ten common laborers at \$2.75 per day. These men are packers. Three skilled men (chemists) at \$130 per month. Forty girls at seven dollars per week. These girls are of a higher class than are generally found. They are of a class found for most part in office work. Mr. Beggs has very little trouble with his employees. There is practically no turnover. "The high cost of living creates a desire to work" is the statement made by Mr. Beggs regarding the female labor in service at the present time. Nearly all labor, both male and female, is employed. There is very little labor available.

Nearly all the male employees are buying their homes. The girls live with their families.

Gas and coal are the fuels used. Coal is used for heating; gas is used in various manufacturing processes.

The Styron Beggs Co...#2.

Consumers rate of twenty five cents per one thousand cubic feet is being charged on account of the scarcity of the natural gas in Ohio.

John H. Swisher & Son

Officers -

A co-partnership John H. Swisher
 Carl S. Swisher

Branch factories located at Ironton, Chillicothe, Wellston, Nelsonville, Ohio, and Ashland Kentucky.

The annual value produced at ~~Wright~~ runs from thirty to fifty thousand dollars per year.

Materials Produced -

The John H. Swisher & Son Company manufactures cigars and stogies. The cigars are sold at five cents retail. Stogies sell three for five cents retail. All products are hand made.

Tonnage -

Inbound (tobacco and boxes). The freight received is all less than carload and averages one thousand five hundred tons per year. There is much business carried on with express companies. Outbound tonnage is about the same as the figure given for inbound materials. There is a by-product consisting of stems and clippings which averages about fifteen cars per year. Both railroads handle the business. Railroad service is satisfactory.

Labor -

Company employs ninety people, fifteen men and seventy-five women. Ten per cent are semi-skilled the remainder are skilled. All are paid by the piece. The average wage for women is ten dollars per week. For men, from \$2 to \$5 per day. The turnover averages ten per cent. Female labor is not steady.

John H. Swisher & Son...#2.

Water and Fuel -

City water is used for dipping tobacco. It is not treated as it is satisfactory in its natural state. Coal is the fuel used. It is purchased from local dealers.

Tucker Boiler Works

Officers -

The business is operated on a partnership basis by Messrs. W. M. and Chandler J. Tucker.

Capital - \$5,000.00

Materials Produced -

The business carried on is along the repair line. Business is not excessive, though very good at present.

Tonnage -

Nearly all shipments are less carload. The Baltimore and Ohio Railroad handles all business. Service rendered by the railroad is satisfactory.

Employees -

Company employs on an average of from ten to fifteen men. At the present time there are employed fourteen men, classified as follows:

- Skilled - five men at 35¢ per hour
- Semi-skilled - five men at 30¢ per hour
- Common - four men at 25¢ per hour

The labor is all American and have their homes in Newark. Labor conditions are very good.

Water -

City water is used for service only. No treatment has ever been found necessary.

Fuel - Coal is the only fuel used which is bought locally.

Siding - There is a public team track operated by the Baltimore and Ohio Railroad which is used by the Tucker Boiler Works and various other small companies located nearby. All freight in this vicinity is L.C.L. although the Freedom Oil Company whose distributing quarters for the city are located near here occasionally have a car of oil or gasoline.

Weyeth CompanyOfficers -

R. S. Weyeth, President
 E. C. Miller, Secretary
 Mrs. A. S. Weyeth, Vice President
 W. W. Gard, Director

Capital - \$35,000

Material Produced -

The company manufactures bob sleds and runners for wheeled vehicles. Oil tank wagons are a special product. The best customers of this company for oil wagons are the Standard Oil and Texas Companies.

Raw Materials -

The raw materials used consist of hardwood and sheet and bar steel. The hardwood is purchased locally, the amounts used being small. All steel products are brought from the Pittsburgh District. Miscellaneous supplies such as belts, nuts and findings are bought at various Ohio points in less than carload quantities.

Labor -

Seventy men are employed by the company, of this number fifty per cent are classed as common labor, twenty-five per cent semi-skilled, and the remaining twenty-five, skilled workmen. The wage scale for the company is as follows:

Common labor	\$2.25	per day	(Handle lumber)
Semi-skilled	\$2.50	" "	(apprentice machinists)
Skilled	\$3.25	" "	(machinists.)

Wayeth Co...#2.

The shop is open but the majority of the skilled men are members of their trade unions. There has been no trouble ever experienced by this company from labor unions. The labor turnover is rather high, averaging one hundred per cent per year. This condition exists among the common labor. The skilled men are steady, many owning their own homes, others are buying their homes on the installment plan or through the local building and loan associations. Very little trouble is ever experienced in obtaining common labor.

Water Used -

The only water used is employed in testing tanks by means of pressure. City water is used in its natural state, no treatment being necessary.

Fuel Used -

Coal and gas are both used as fuel. Gas is used only in small quantities. All coal is brought from various points in West Virginia. The average price per ton at the mines is \$1.60; the freight rate ranges from sixty to ninety cents per ton.

Natural gas is very low in pressure through Ohio at the present time, and none is sold except at the consumers rate of twenty-five cents per thousand cubic feet.

Wyeth Scott Company, Inc.Officers -

W. D. Wyeth, President
C. L. Wyeth, Treasurer
Harry Scott, Secretary
W. M. Julian, Manager

Capital - \$16,000

Concrete products are produced in amounts ranging from eight to ten thousand tons per year. The output is marketed locally. The bulk of these products prohibits the soliciting of trade at a distance from the plant.

The inbound materials consist of sand from the Licking River, which is obtained in Newark. About four cars per month of cement are used. Cement, steel, coal and granite are bought wherever they can be obtained at the cheapest rates. Steel, coal and granite average four carloads per month.

Ten men are employed by this company. They are classed as common, and semi-skilled. Common labor is paid \$1.80 to \$2 per day. Semi-skilled make \$2 to \$3 per day. The labor conditions have been bad for this company for the past two years. They are becoming better, however. There is no organization among the common laborers.

City water is used exclusively. No treatment is given this water.

Ohio Coal is used for heating. This is brought from West Virginia at prices varying from \$1.25 to \$3.75 per ton at the mine. The hauling charge runs from sixty-five to ninety cents per ton.

CHAPTER XII

LABOR, HOUSING AND COST OF LIVING

Labor

Newark's labor conditions are fair. At the present time the industries are exceptionally busy, as is the case generally over the country, and as a result wages are high, and the labor supply is well taken up. The surplus men immediately available are few, and it would be difficult to secure any large number of workers for a new plant. Manufacturers, however, report little difficulty in obtaining the few additional men they need from time to time.

The following list gives the number of workers now employed by the leading industries of the city, and gives a fair idea of how the present labor supply is taken up:

<u>Name of Firm</u>	<u>No. of Employees</u>	
Advance Glass Company.....	30	
Blair Motor Truck Company?	80 to 100	✓ 00
Buckeye Rolling Mills.....	80	
Burke Gelf Shaft Company.....	65	
Consumers Brewery.....	35	
Freedom Oil Company.....	11	
Heisey & Company, A. H.....	700	
Holophane Glass Company.....	47	700
Hulchizer Milling & Baking Company.....	8 to 12	
Jewett Car Company.....	318	
McNamar, J. D.....	15	
Midland Shoe Company.....	165	
Miller Company, C. W.....	23	
Newark Ice and Cold Storage Company.....	8	
Newark Ohio Furniture Company.....	34	
Newark Stamping and Foundry Company.....	30	
Ohio Light and Power Company.....	155	
Pharis Tire and Rubber Company.....	125	
Road Wire Company.....	50	
Rugg & Company, E. T.....	125	
Scheidler Machine Works.....	30	
Simpson Foundry Company.....	35	
Smith Lumber Company, P.....	10	
Styron Baggs Company.....	55	
Swisher & Son, John.....	90	
Tucker Boiler Works.....	10 to 15	
Weyth Company.....	10	
Wynth Scott Company.....	10	
Baltimore and Ohio Railroad.....	1000	

White Co →
$$\begin{array}{r} 3408 \\ 1500 \\ \hline 4908 \end{array}$$

Labor..§2.

In addition to the above, two very large plants in the City - the American Bottle Company, and the Wehrle Stove Company - employ a large number of men. It was impossible to obtain any information from either of these companies.

The present wage scale ranges approximately as follows:

Common labor receives from 17-1/2 to 25 cents an hour. The most common figure for this class is 20 or 22-1/2 cents an hour.

Skilled men, of ordinary grades, receive from 30 to 45 cents an hour, 40 cents being a fair average. Some men highly skilled in particular trades receive as high as fifty to sixty cents an hour, working on a piece work basis. These, however, are specialized workers, and their wages do not afford a fair index of the prevailing wage scale for skilled men in the usual trades.

At the present time the industries of the city are employing little female labor. Only about two hundred women and girls are working in all of the above named factories, exclusive of the American Bottle Company, and the Wehrle Company. The comparatively small number of women employed is attributed to the high wage scale now prevailing in the city. The men are earning large wages, and there is therefore, little necessity for the women to work, in order to keep up the family income.

This condition indicates that there is a good sized supply of women labor in the city which under other conditions might be induced to engage in industrial work. When, for example, industrial conditions again approach normal, there may be a reduction in the wage level, and there may then be an incentive for the women

Labor...3.

to share the burden of obtaining an income sufficient for the family. Under present conditions, this is generally unnecessary.

It is very difficult to even estimate the number of women comprising this potential labor supply. One manufacturer gave his opinion that it would number as high as five or six hundred, but this was not borne out by other employers.

The labor in Newark is of a good grade. Labor turn-over was not excessive in any of the plants interviewed, ten per cent being a maximum figure. In most cases it was much less than this. Most of the employers stated their labor was steady, and changed employment little. The good housing conditions of the city, together that fully sixty-five per cent of the workmen either own or have an equity in their homes result in a contented and home loving class of labor which is most reliable.

Unions are strong in the city. Common labor is unorganized, as a rule, but the skilled trades have strong organizations. This fact, however, has in the past been used in a somewhat misleading manner. The impression has been spread that because of their strength, the unions were arbitrary and caused a great deal of trouble. As a result outside manufacturers have been prejudiced against Newark. As a matter of fact, conditions are quite different. The local union officials are recognized to be conservative men, and have been fair in their dealings with manufacturers. In short the unions have shown a highly commendable spirit in co-operating with employers. Judging from conditions in the past, there is no reason for shunning Newark, because of the strength of its union organizations.

Housing Conditions

Newark has an abundant supply of cheap houses. During the present industrial boom a large number of workmen left the city for higher wages. They are now beginning to return.

Supply of better class houses is rather small.

Houses -

5 - 6 Room with bath \$12 to \$14 per month

Cost \$1400 - \$1500

5 Rooms, no bath. All old houses in undesirable locations. Only a few.

\$5 a month
\$10.00 when new.

6-7-8 Rooms with bath. Better class in most desirable locations.

\$25.00 per month
25.00 - \$30.00
Maximum

Double Houses, 5 - 6 Rooms in section, with bath.

\$16 per month
\$1700 - \$2000 per side.

Average better class of workmen -

5 - 7 Rooms mostly bath; partly sewerd - \$10 - \$18.

The strength of the local Building and Loan Associations makes Newark an easy town in which to secure a home. They can be financed on a small margin and, requiring but little equity, can be purchased by almost any workman of good character and steady in his employment.

Cost of Living

The following retail prices were secured from the stores of Newark during the last week of 1916. Stores were chosen in different sections of the city, so that the prices represent conditions for the city as a whole.

Navy Beans	✓15¢	15	2 for 35 ✓	15	15	15
Bread	✓5¢	5	5	5	5	5
Butter (Creamery)	✓48¢	45	-	43 ✓	46	48
1st Country	✓42¢	35 ✓	40	30-40 ✓	38	35 ✓
Corn canned	13-18¢	10-12¢	3 for 25 ✓	15	10-15	12-1/2-15
Cheese (American)	✓35¢	28 ✓	30	32	32	-
Coffee (Rio #7)	15-25¢	15-19	15 up	20-40*	17-40	15 ✓
Eggs (1st fresh)	50¢	48	45 ✓	48	48	48
Eggs (Storage)	45¢	43	40 ✓	42	40 ✓	40 ✓
Flour (25 lb)	\$1.35	1.25	1.20 ✓	1.20-1.35	1.25	1.20 ✓
Corn Meal	4¢	3 for 10 ✓	5 for 20	3 for 10	4¢	5
Milk	9¢	9	-	-	9	-
Oleomargarine	-	25-27	25	20-30	25-30	25-28
Rice	10¢	10	4 for 25 ✓	10	3 for 25	10
Sugar (25 lb)	\$2.10	2.00	1.90	7-9-1/2 lb. ✓	9¢/lb.	1.90
Tea (Formosa)	75¢-1.00	60	50-60 ✓	60-1.00	60	70
Bacon (sliced)	30-40¢	28	35	35 ✓	25 ✓	30
Prime Roast Beef	22	18 ✓	-	20	20	-
Sliced Ham	20-35¢	35	48	35	23 ✓	30
Salt Mess Pork	18¢	18	-	15 ✓	18	-
Fresh Dressed Chkn.	22¢	22	-	20 ✓	20 ✓	23
Spring Chicken	30¢	-	-	-	20 ✓	-
Veal Cutlets	20¢	30	-	25 ✓	30	-

Blacksmith
Mechanic
Boiler Work
Holders
Pattern Makers
Bridges & Bldg
Engineer -
Writers -
Plumbers
Steam Fitters
Gas
Electrician
Carpenter
Painters
Carpenters
Lathers
Bricklayers
Road Carriers
Stone Masons
Stone Cutters
Plaster
Street Rail
Street Rail
Tennants

CHAPTER III

SITES

Sites

Newark has available a large amount of vacant land which is well adapted for industrial uses and which has not yet been broken up into lots. It should therefore be possible to purchase it on an acreage basis so that the cost would not be excessive.

Aside from several small pieces of land in the city limits, there are three main industrial areas available for development of almost any size.

1. The Western Section.

By far the most desirable location for industrial development is the territory extending from the western limits of the city as far as Central City. This land lies on both sides of the joint line of the Baltimore and Ohio and the Panhandle Division of the Pennsylvania Railroad, which runs to Columbus. The Toledo and Ohio Central (a subsidiary of the New York Central passes through the property on the west.

For a distance of approximately three miles the land on both sides of this joint line extends back from the railroad for a mile or more, with little or no rise. It forms a wide plateau, situated above high water mark, so that flood danger is eliminated.

The section to the north of the railroad is served by the Granville line of the Ohio Electric Railway Company, which runs out West Main Street from Newark, and then northeast a distance of about eight miles to Granville. Street car service to this property is thus already provided. There are about seven hundred acres now available in the territory between the railroad and street railway. On the north of the street railway there are approximately four hundred acres more.

42.

The total area of the land on the southerly side of the railroad is about eight hundred acres. The Columbus line of the Ohio Electric Railway runs to the south of a part of this area, but at a considerable distance from the railroad, so that at present it can hardly be considered as serving this district. It would be easy, however, to provide such service by a little extension of the present layout, in the event of industrial development.

The whole western section is the only area near the city which has the great advantage of having direct access to three railroads. Lines of three of the greatest trunk line railroads of the country touch the property - the Baltimore & Ohio, New York Central and the Pennsylvania.

2. The Northern Section

Along the line of the Baltimore and Ohio Railroad to Chicago Junction, to the north of the city limits, there are about four hundred acres of land which might be made available for industrial purposes.

Part of this lies to the east of the railroad, between the railroad and the North Fork of the Licking River, but the larger part of the land is situated to the west of the railroad.

This land is fairly level, but for the most part is situated at a considerable distance above the railroad right of way. Considerable difficulty would probably be encountered in running industrial spurs from the main line to the high level area. This would make difficult both construction and operation - a condition which does not prevail in the western section of the city where the available industrial area is on the same level as the railroad.

Further north from the city this condition is not so bad, the rise from the railroad not being so great. This land, however, is situated at a considerable distance from the city limits.

3. The eastern Section

The best land in the eastern section lies along the line of the Pennsylvania Railroad. There are perhaps one hundred acres in this district lying to the south of the Pennsylvania, and extending to the Zanesville line of the Ohio Electric Railway on the south.

The land in this section lying between the Ohio Electric Railway and the Baltimore and Ohio is not well adapted for factories. It is uneven in contour and cannot be considered as suitable for industrial use.

The land on the south side of the Baltimore and Ohio in this section is level but is all subject to floods. It lies between the railroad and the Licking River, and the height above the river is so little that there is constant danger of overflow. As a matter of fact, the property has been under water in the past. The danger from this source is too great to seriously consider locating factories on this land.

At the present time the Chamber of Commerce of Newark controls no industrial land of any kind in or near the city. In order to make secure the large areas now available from being purchased and broken up into town lots and thus absolutely spoiled for industrial purposes, the Chamber should at once gain control of an industrial area of sufficient size to care for future industrial expansion of the city.

#4.

As the land is now owned, there is constant danger that it will be developed for residential purposes. This would mean its platting into town lots, and even if it were not immediately built up, it would be unavailable for factory work. For if it had to be purchased by lots, the price for large tracts would be prohibitive. As a protection to the industrial growth which Newark, with its many advantages, should confidently look forward to the Chamber should at once decide upon a definite industrial area, and gain control of the land while it can still be bought on an acreage basis. Control might be secured either by purchase or option.

In deciding upon the location of this area, the most logical selection is the land to the west of the city. This section is the only one served by more than one railroad - direct connection being possible with three trunk lines. The land is level, requiring little or no filling, and is on the same level as the railroads, so that no difficulty would be experienced in running sidings off. All of this section is free from any danger of floods.

There is sufficient open land in this district to care for development of any size. Outside manufacturers would hesitate very little between a location offering connection with three railroads and one which gave access to only one. In view of this fact, and of the other splendid characteristics of this section, the Chamber would be wise in concentrating its attention on the development of this section, rather than spreading its industrial area over several different parts of the city.

CHAPTER XIV

COMMERCIAL ASSOCIATIONS

Chamber of Commerce

Newark's Chamber of Commerce has recently been reorganized. It now has 607 members and is a well organized and active body. Annual dues are twenty-five dollars.

The present officers are:-

- Frank L. Beggs.....President
- John Fleek.....Corporation Secretary
- J. N. Pugh.....Treasurer
- Geo. Hermann.....First Vice President and Chairman of Mercantile Bureau.
- Ralph Wyeth.....Second Vice President and Chairman of Industrial Bureau.
- J. N. Pugh.....Third Vice President and Chairman of Civic Bureau.
- H. F. Darrow.....Fourth Vice President and Chairman of Publicity and Conventions Bureau.
- Homer C. Price.....Fifth Vice President and Chairman of Agricultural Bureau.
- Clarence Heisey.....Sixth Vice President and Chairman of Membership Council.
- J. S. Elliott.....Chairman of membership and Finance Committee.
- J. C. Krieg
- Ray Martin
- W. J. Bowers

Staff Officers

- George H. Mosser, Manager and Editor of Buckeye.
- Ernest Lieber, Membership Secretary
- Miss Hazel Long, Office Assistant
- Miss Glitius Johnson, Secretary Credit Rating Bureau

The aims and purposes of the Chamber of Commerce are well set forth in the following advertisement which it recently prepared for insertion in the telephone book of the Bell Company.

"It promotes and protects the interests of the manufacturer, wholesaler, retailer and general public.

It fosters civic patriotism.

It has woven educational features in its work.

It constantly works for a cleaner and better city.

It promotes public health, safety and recreation.

It is Newark's "information bureau".

It is championing the cause of good roads; Newark is now on one national highway and connected with another.

It has an active traffic committee.

It promoted the Licking County Farm Bureau Association, with the county agricultural advisor feature.

It obtained package car service for Newark shippers.

It conducted campaigns for developing the home buying idea.

It established an employment bureau and looks after industrial needs of employers and employes.

It is the medium through which Newark's industrial growth is being promoted.

It co-operates with every organization working for the city's good."

The Chamber of Commerce will undertake to furnish free factory sites and render financial assistance to worthy companies. No financial plan has, as yet, been developed. It is earnestly recommended that, in order to complete with other cities nearby, the business men of Newark get together on a financial plan which can be productive of much good to the city.

Co-operation

Your investigators must report that numerous evidences of petty jealousies were found existing in Newark, none of which were of any consequence but all of which, singly and collectively, check the growth of the city. Most of these date back to the days of the old Board of Trade and nearly all are subject to elimination. It is confidently believed that, thru the energies of the new Chamber of Commerce, these jealousies will be overcome and a more wholesome spirit of co-operation developed. They belong only to the small town and should be far beneath the dignity of a resident of Newark.

In a few instances, also, it was found that certain manufacturers were not interested in the growth of the city preferring a static condition to a normal growth. These individuals should be sought out by the Chamber of Commerce, and made the target of a well directed educational campaign on the advantages of civic pride as well as personal profit. Their view point needs broadening and their opposition may prove costly to the city.

Publications

The Chamber of Commerce publishes regularly a leaflet called the Newark Buckeye and issues, from time to time, leaflets of which the two following are examples.

Rotary Club

The Newark Rotary Club is an association composed of a representative of each line of industry in the city. The membership now numbers about sixty.

The present officers of the Rotary Club are:

- J. Howard Jones..... President
- W. H. Masey..... Vice President
- C. E. Hollander..... Secretary
- R. B. White..... Treasurer

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